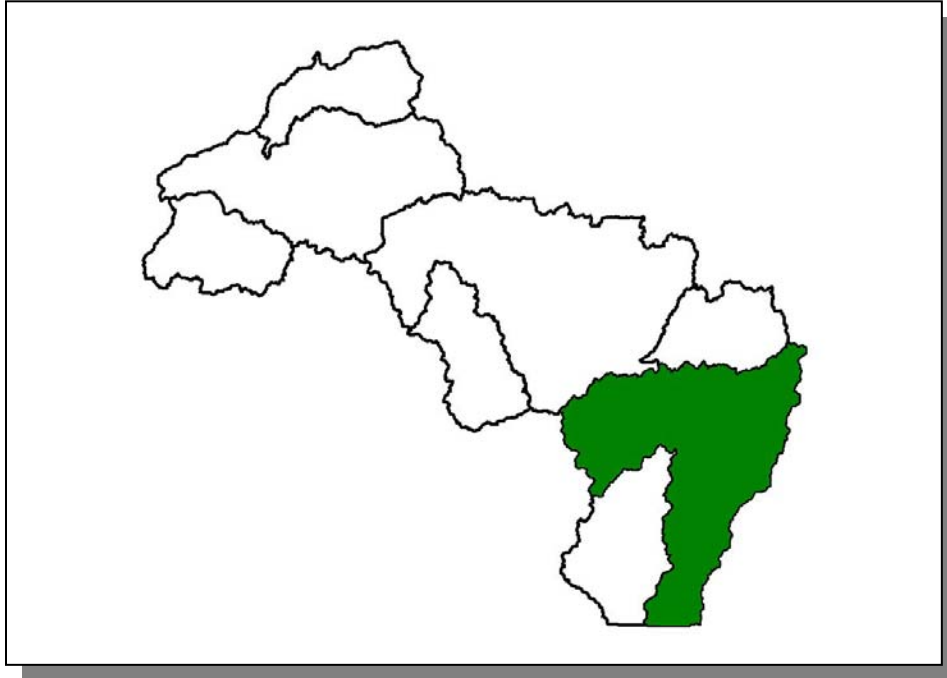
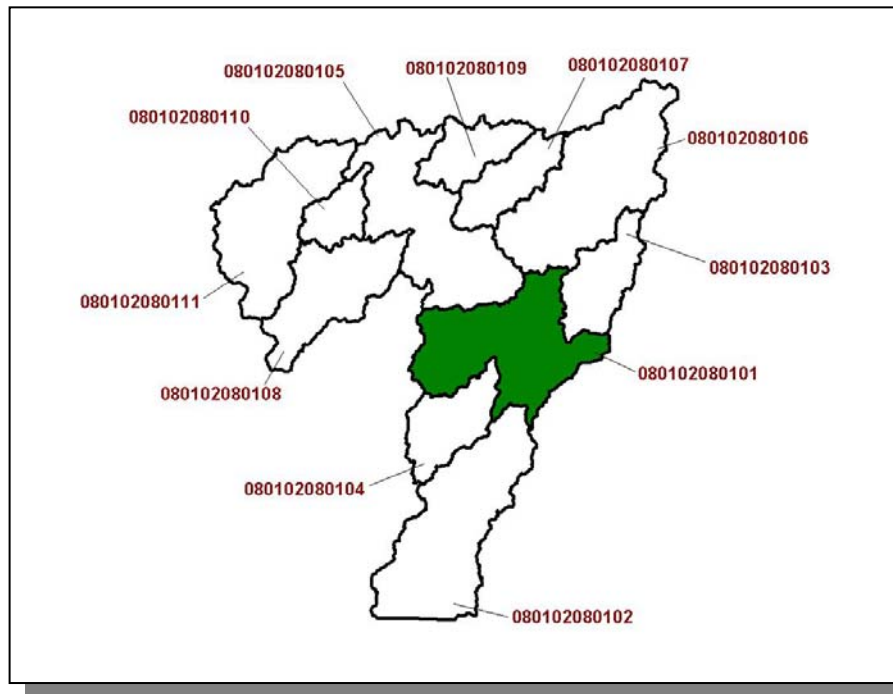


4.2.A. 0801020801.

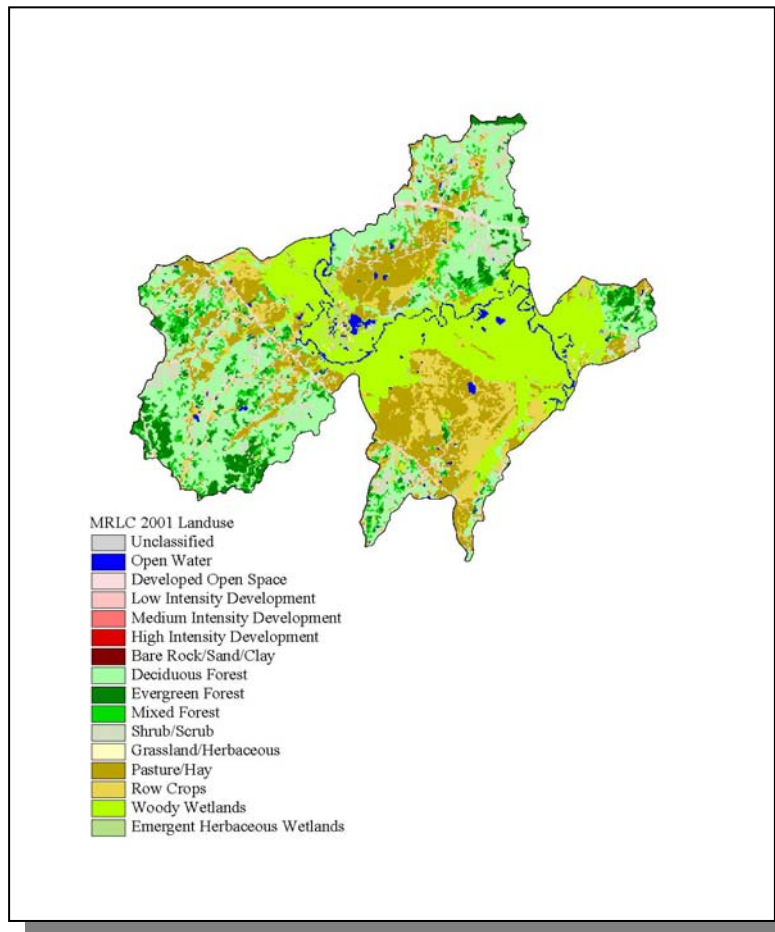


**Figure 4-2. Location of Subwatershed 0801020801.** HUC-10 subwatershed boundaries in Tennessee are shown for reference.

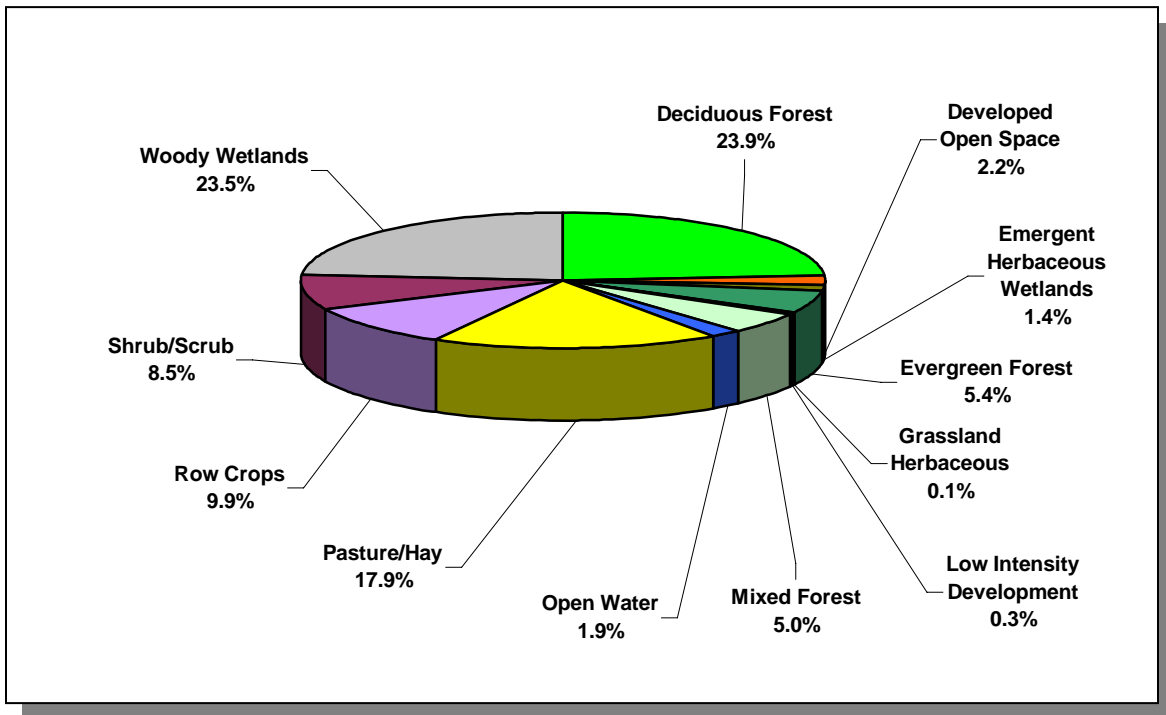
**4.2.A.i. 080102080101 (Hatchie River).**



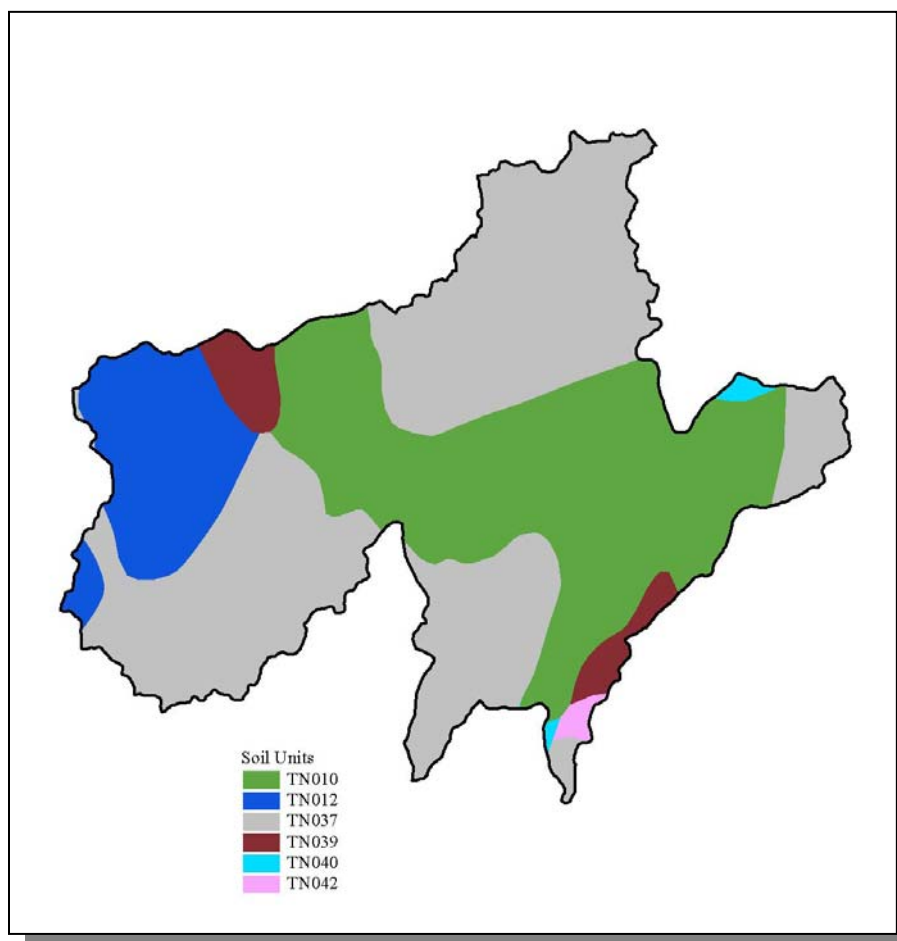
**Figure 4-3. Location of Subwatershed 080102080101.** All HUC-12 subwatershed boundaries are shown for reference.



**Figure 4-4. Illustration of Land Use Distribution in Subwatershed 080102080101.**



**Figure 4-5. Illustration of Land Use Distribution in Subwatershed 080102080101.**



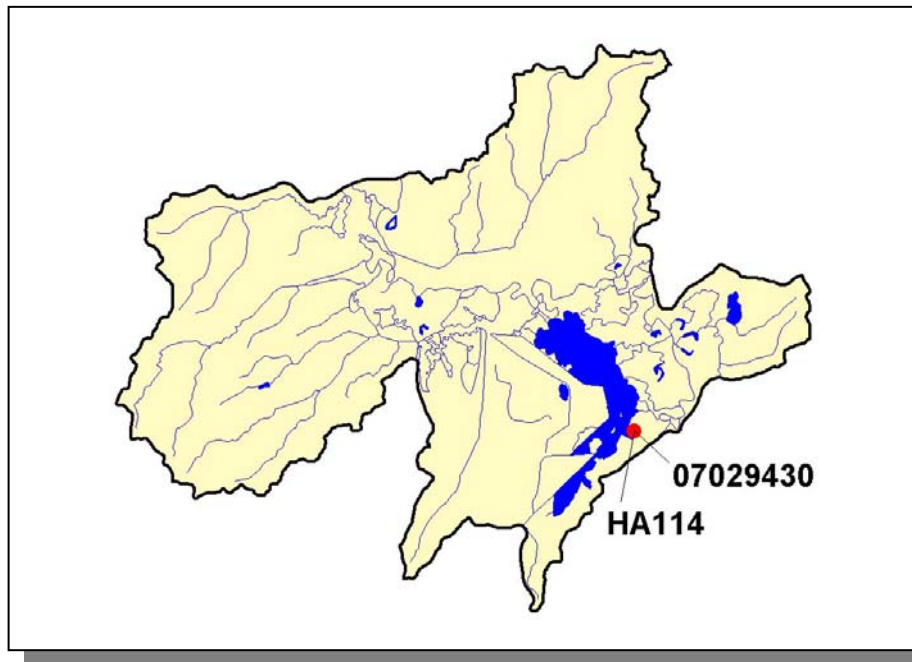
**Figure 4-6. STATSGO (State Soil Geographic Database) Soil Map Units in Subwatershed 080102080101.**

STATSGO MAP UNIT ID	PERCENT HYDRIC	HYDROLOGIC GROUP	PERMEABILITY (in/hour)	SOIL pH	ESTIMATED SOIL TEXTURE	SOIL ERODIBILITY
TN010	81.00	C	1.33	5.11	Silty Loam	0.44
TN012	1.00	C	2.52	5.13	SiltyLoam	0.39
TN037	0.00	C	3.51	4.86	Sandy Loam	0.27
TN039	24.00	C	1.35	5.20	SiltyLoam	0.47
TN040	40.00	C	1.35	5.18	SiltyLoam	0.38
TN042	0.00	C	2.53	5.11	SiltyLoam	0.34

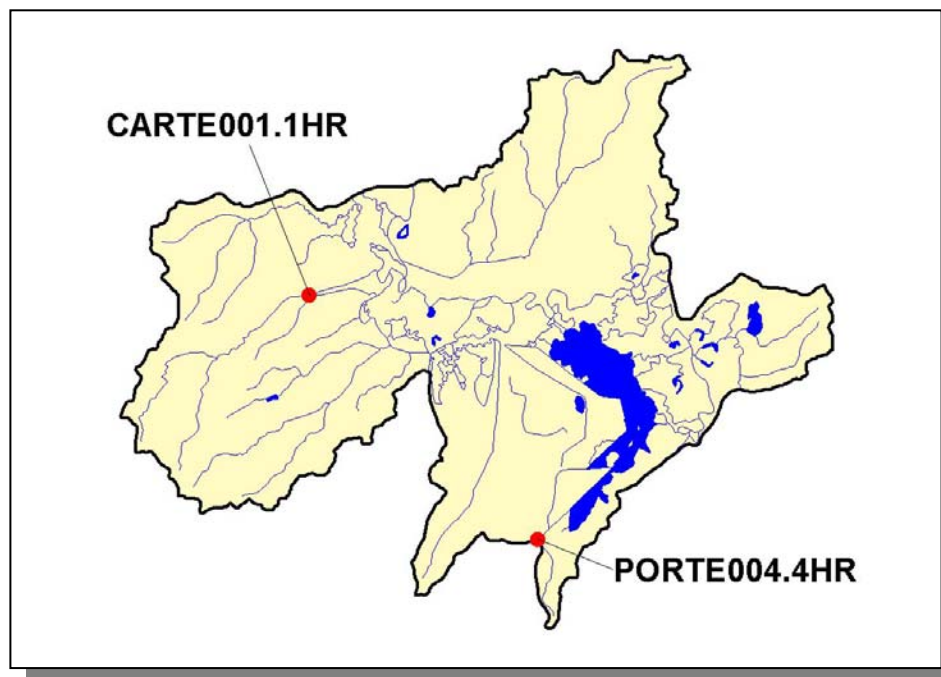
**Table 4-2. Soil Characteristics by STATSGO (State Soil Geographic Database) Soil Map Units in Subwatershed 080102080101.** The definition of "Hydrologic Group" is provided in Appendix IV.

	COUNTY POPULATION				ESTIMATED POPULATION IN WATERSHED			
County	1990	1997	2000	Portion of Watershed (%)	1990	1997	2000	% Change (1990-2000)
Hardeman	23,377	24,702	28,105	1.35	316	334	380	20.3

**Table 4-3. Population Estimates in Subwatershed 080102080101.**

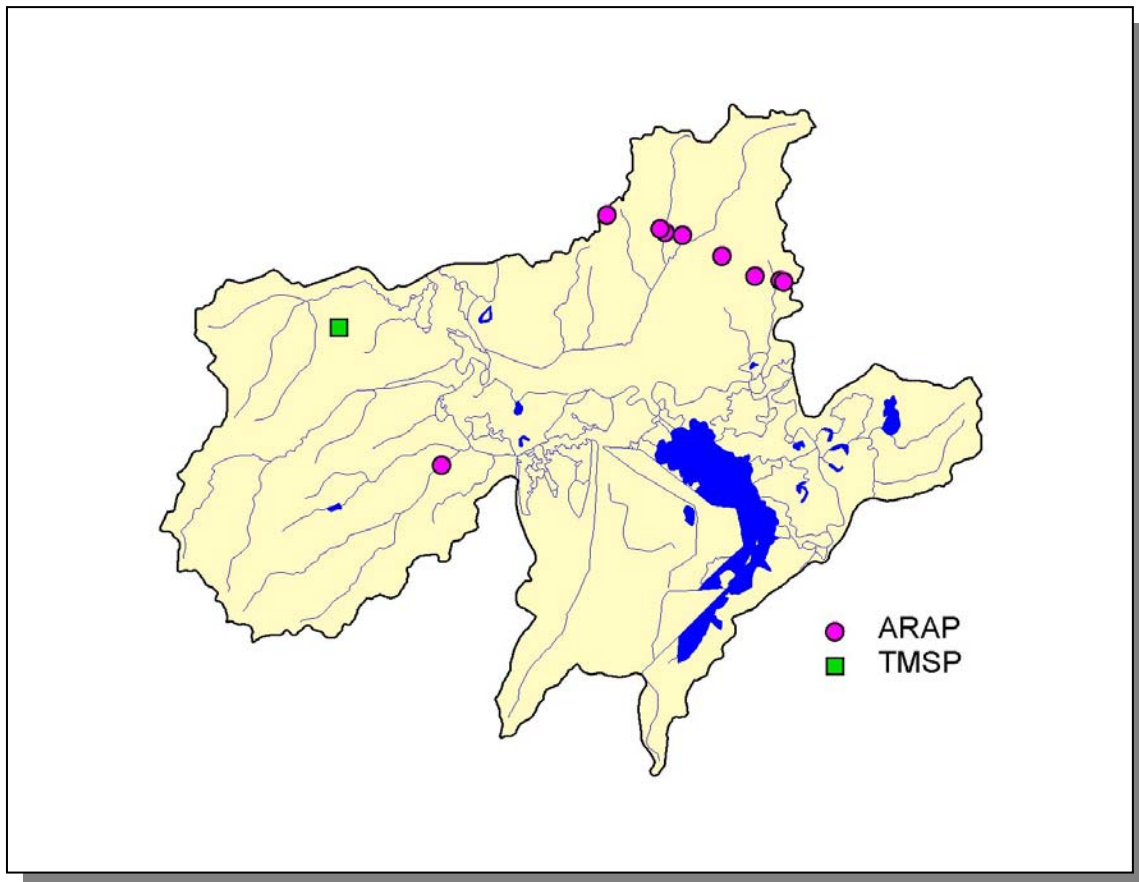


**Figure 4-7. Location of Historical Streamflow Data Collection Sites in Subwatershed 080102080101.** More information is provided in Appendix IV.

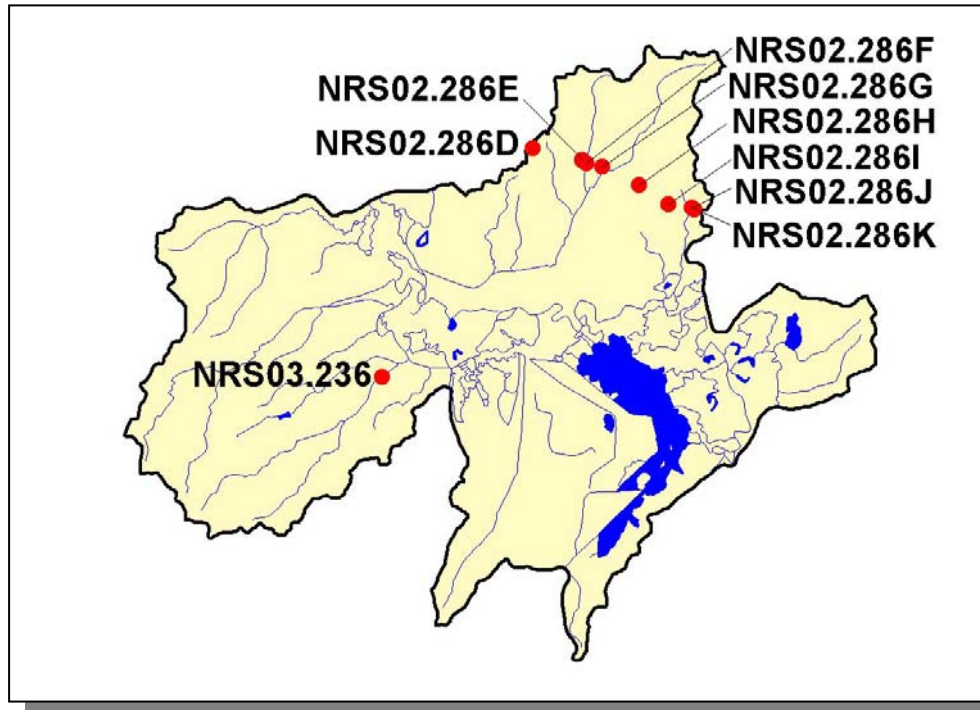


**Figure 4-8. Location of Monitoring Sites in EPA's STORET Database in Subwatershed 080102080101.** More information, including site names and locations, is provided in Appendix IV.

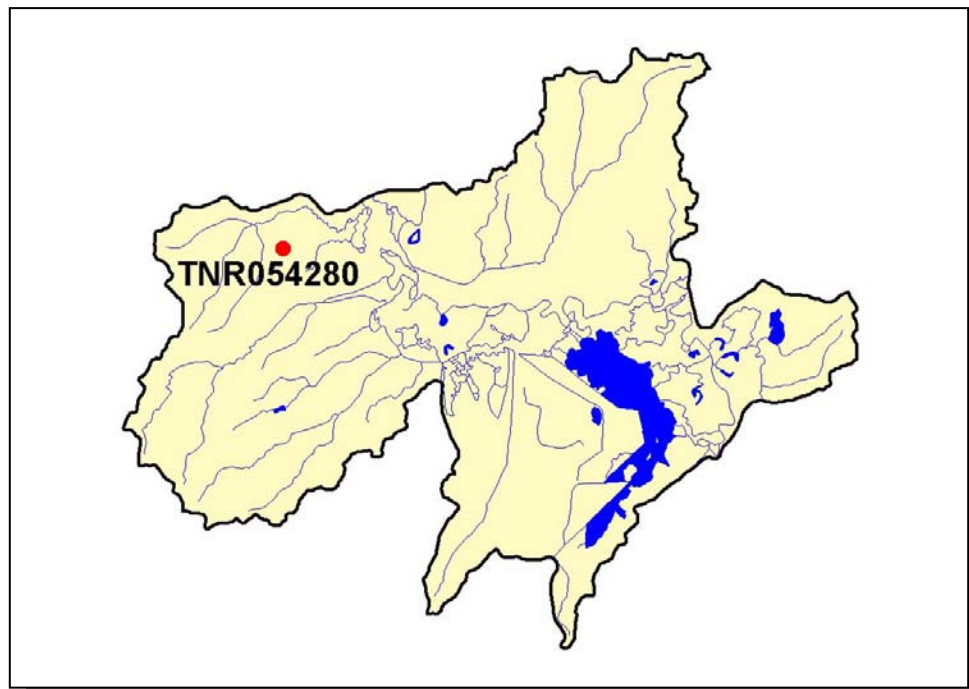
**4.2.A.i.a. Point Source Contributions.**



**Figure 4-9. Location of Permits Issued in Subwatershed 080102080101.** More information, including the names of facilities, is provided in Appendix IV.



**Figure 4-10. Location of Aquatic Resource Alteration Permit (ARAP) Sites (Individual Permits) in Subwatershed 080102080101.** More information is provided in Appendix IV.



**Figure 4-11. Location of TMDL Sites in Subwatershed 080102080101.** More information, including the names of facilities, is provided in Appendix IV.

**4.2.A.i.b. Nonpoint Source Contributions.**

LIVESTOCK COUNTS					
Beef Cow	Cattle	Milk Cow	Chickens (Layers)	Hogs	Sheep
174	301	<5	<5	99	<5

**Table 4-4. Summary of Livestock Count Estimates in Subwatershed 080102080101.** According to the 1997 Census of Agriculture (<http://www.agcensus.usda.gov/>), "Cattle" includes heifers, heifer calves, steers, bulls and bull calves; "Chickens" are layers 20 weeks and older; "Chickens Sold" are all chickens used to produce meat.

LIVESTOCK COUNTS						
County	Beef Cow	Cattle	Milk Cow	Chickens (Layers)	Hogs	Sheep
Hardeman	9,184	15,877	62	28	5,221	144

**Table 4-5. Summary of Livestock Count Estimates in Hardeman County.** According to the 1997 Census of Agriculture (<http://www.agcensus.usda.gov/>), "Cattle" includes heifers, heifer calves, steers, bulls and bull calves; "Chickens" are layers 20 weeks and older.

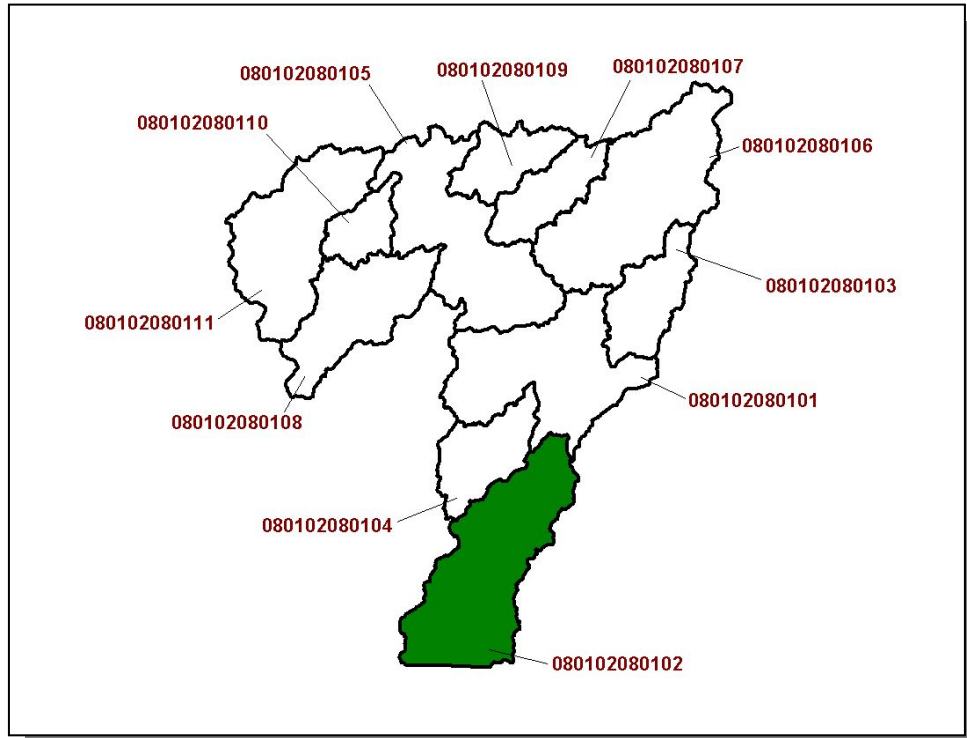
County	INVENTORY		REMOVAL RATE	
	Forest Land (thousand acres)	Timber Land (thousand acres)	Growing Stock (million cubic feet)	Sawtimber (million board feet)
Hardeman	247.1	247.1	5.0	16.6

**Table 4-6. Forest Acreage and Annual Removal Rates (1987-1994) in Hardeman County.**

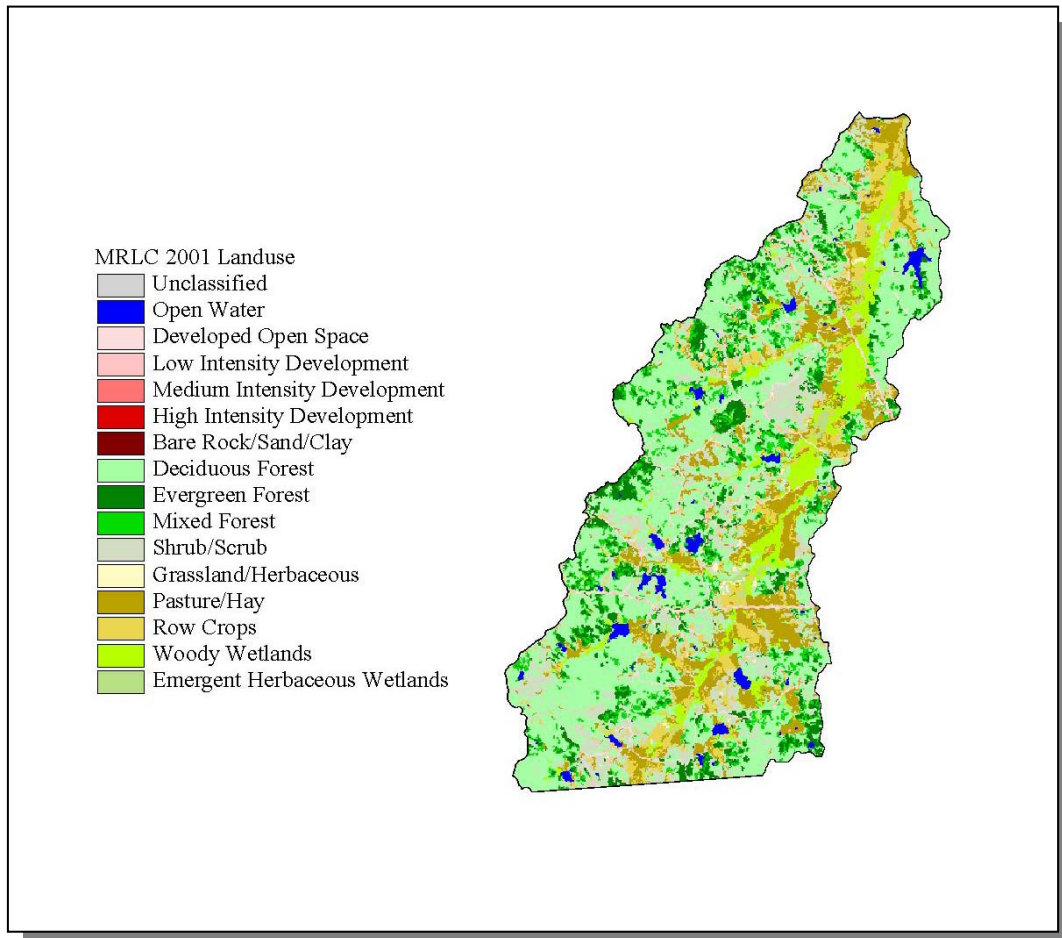
CROPS	TONS/ACRE/YEAR
Grass (Pastureland)	1.23
Grass (Hayland)	0.39
Grass, Forbs, Legumes (Mixed Pasture)	1.06
Corn (Row Crops)	11.41
Cotton (Row Crops)	25.79
Sorghum (Row Crops)	3.04
Soybeans (Row Crops)	12.89
Wheat (Close-Grown Cropland)	15.03
Summer Fallow (Other Cropland)	6.11
Other Cropland not Planted	4.23
Conservation Reserve Program Lands	0.27
Farmsteads and Ranch Headquarters	0.97

**Table 4-7. Annual Estimated Total Soil Loss in Subwatershed 080102080101.**

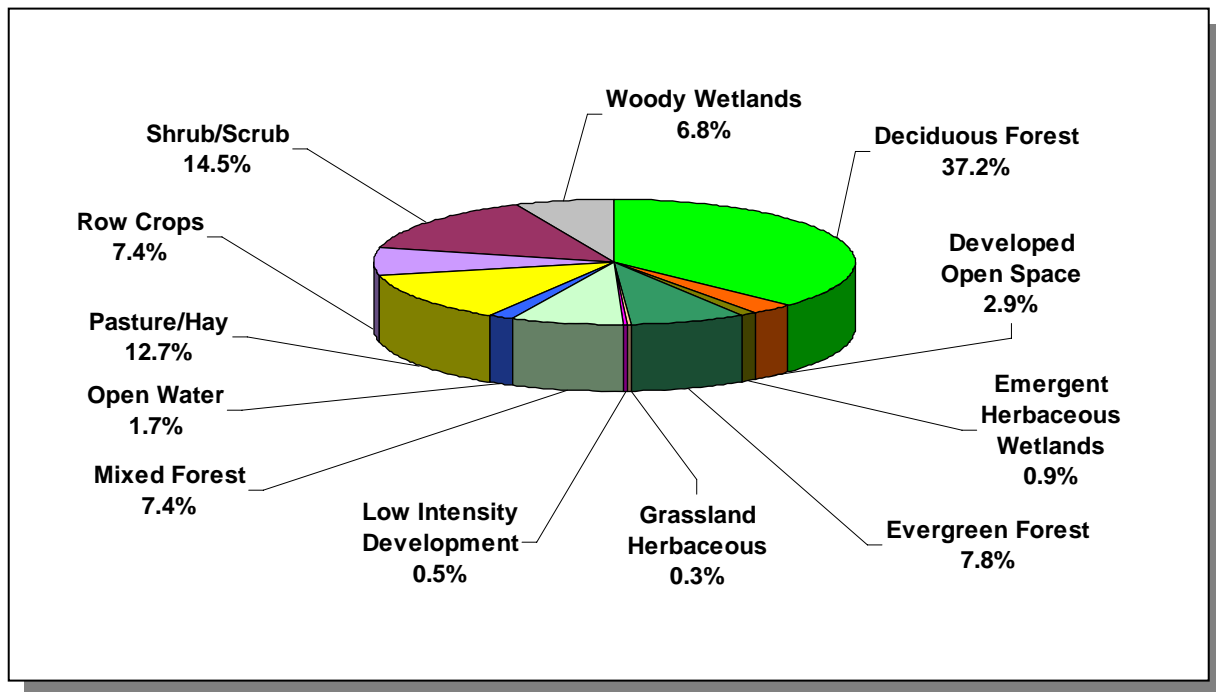
**4.2.A.ii. 080102080102 (Porters Creek).**



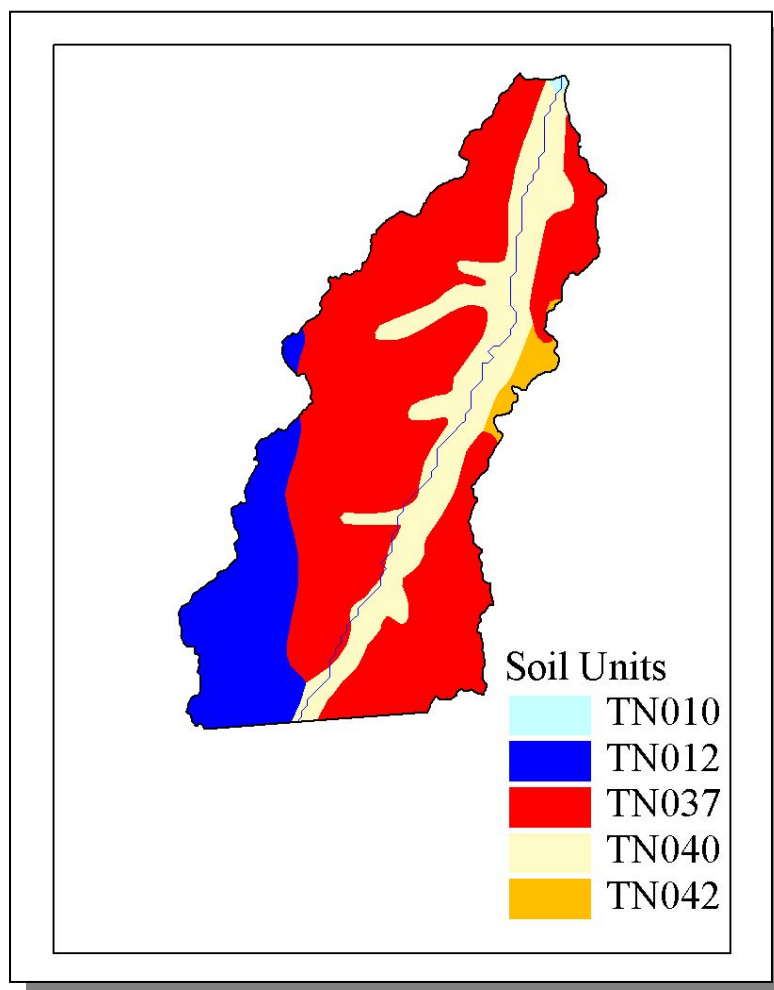
**Figure 4-12. Location of Subwatershed 080102080102.** All HUC-12 subwatershed boundaries in Tennessee are shown for reference.



**Figure 4-13. Illustration of Land Use Distribution in Subwatershed 080102080102.**



**Figure 4-14. Land Use Distribution in Subwatershed 080102080102.** More information is provided in Appendix IV.



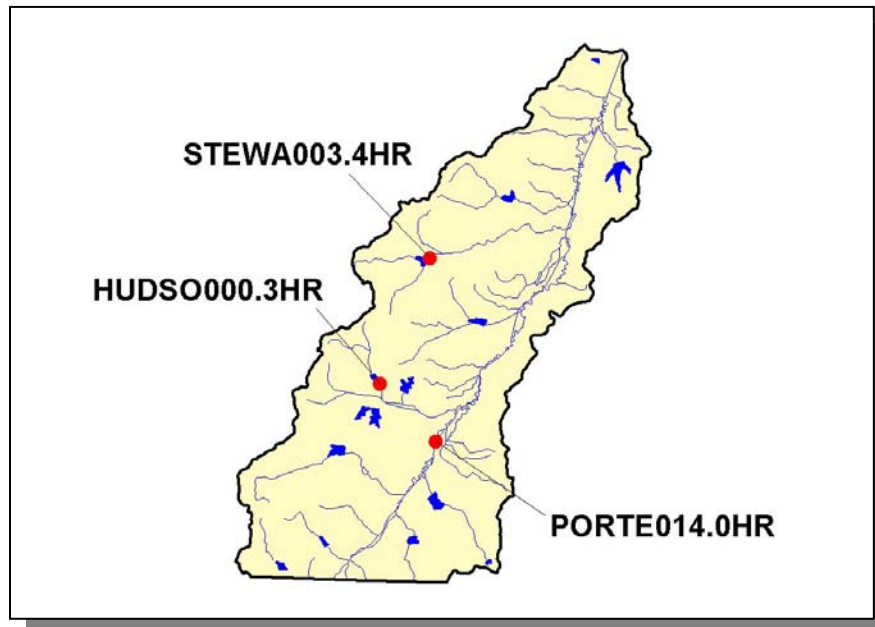
**Figure 4-15. STATSGO (State Soil Geographic Database) Soil Map Units in Subwatershed 080102080102.**

STATSGO MAP UNIT ID	PERCENT HYDRIC	HYDROLOGIC GROUP	PERMEABILITY (in/hour)	SOIL pH	ESTIMATED SOIL TEXTURE	SOIL ERODIBILITY
TN010	81.00	C	1.33	5.11	Silty Loam	0.44
TN012	1.00	C	2.52	5.13	Silty Loam	0.39
TN037	0.00	C	3.51	4.86	Sandy Loam	0.27
TN040	40.00	C	1.33	5.18	Silty Loam	0.38
TN042	0.00	C	2.53	5.11	Silty Loam	0.34

**Table 4-8. Soil Characteristics by STATSGO (State Soil Geographic Database) Soil Map Units in Subwatershed 080102080102.** The definition of "Hydrologic Group" is provided in Appendix IV.

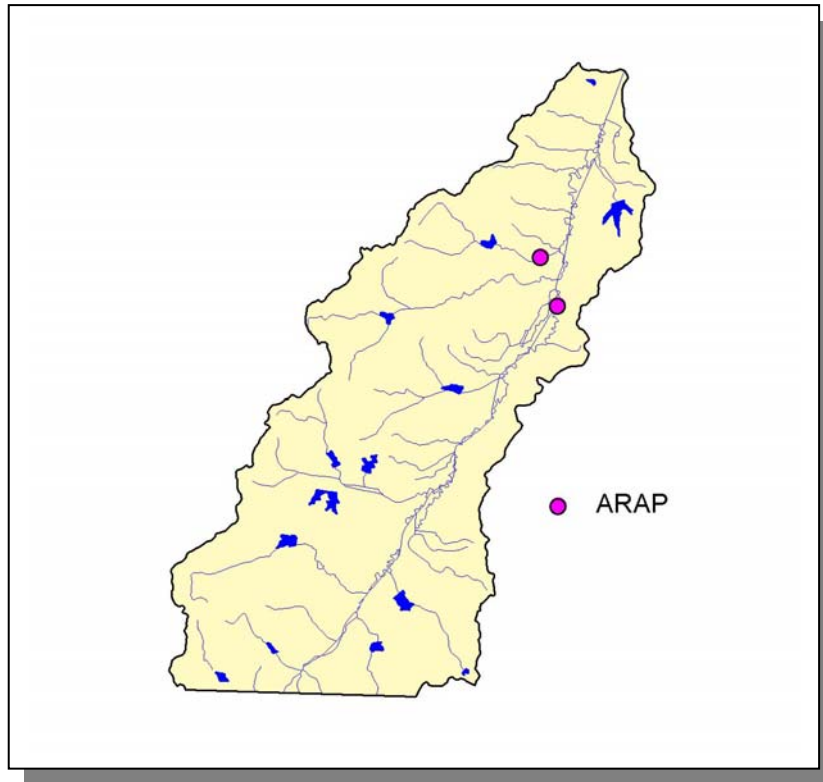
County	COUNTY POPULATION			Portion of Watershed (%)	ESTIMATED POPULATION IN WATERSHED			% Change (1990-2000)
	1990	1997	2000		1990	1997	2000	
Hardeman	23,377	24,702	28,105	6.61	1,545	1,632	1,857	20.2

**Table 4-9. Population Estimates in Subwatershed 080102080102.**

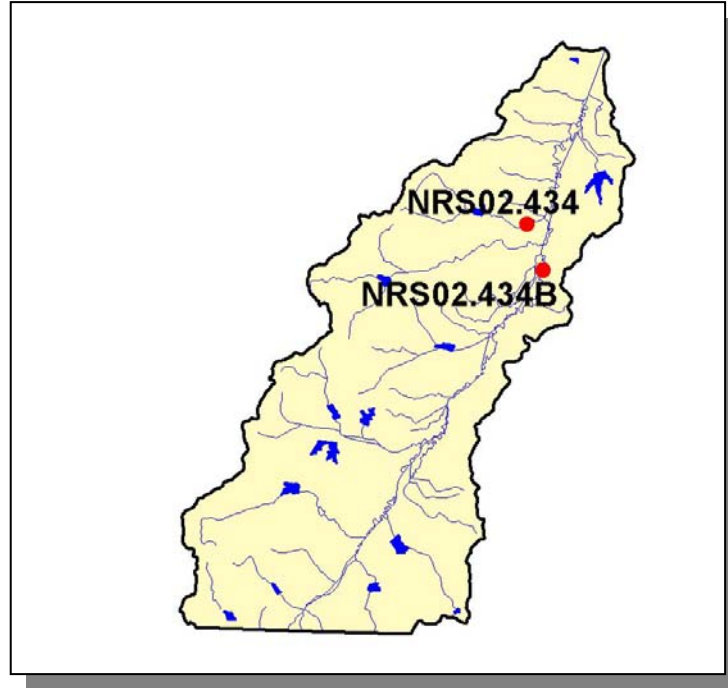


**Figure 4-16. Location of Monitoring Sites in EPA's STORET Database in Subwatershed 080102080102.** More information, including site names and locations, is provided in Appendix IV.

**4.2.A.ii.a. Point Source Contributions.**



**Figure 4-17. Location of Permits Issued in Subwatershed 080102080102.** More information, including the names of facilities, is provided in Appendix IV.



**Figure 4-18. Location of Aquatic Resource Alteration Permit (ARAP) Sites (Individual Permits) in Subwatershed 080102080102.** More information is provided in Appendix IV.

**4.2.A.ii.b. Nonpoint Source Contributions.**

LIVESTOCK COUNTS					
Beef Cow	Cattle	Milk Cow	Chickens (Layers)	Hogs	Sheep
507	879	5	<5	271	8

**Table 4-10. Summary of Livestock Count Estimates in Subwatershed 080102080102.** According to the 1997 Census of Agriculture (<http://www.agcensus.usda.gov/>), "Cattle" includes heifers, heifer calves, steers, bulls and bull calves; "Chickens" are layers 20 weeks and older; "Chickens Sold" are all chickens used to produce meat.

LIVESTOCK COUNTS						
County	Beef Cow	Cattle	Milk Cow	Chickens (Layers)	Hogs	Sheep
Hardeman	9,184	15,877	62	28	5,221	144

**Table 4-11. Summary of Livestock Count Estimates in Hardeman County.** According to the 1997 Census of Agriculture (<http://www.agcensus.usda.gov/>), "Cattle" includes heifers, heifer calves, steers, bulls and bull calves; "Chickens" are layers 20 weeks and older.

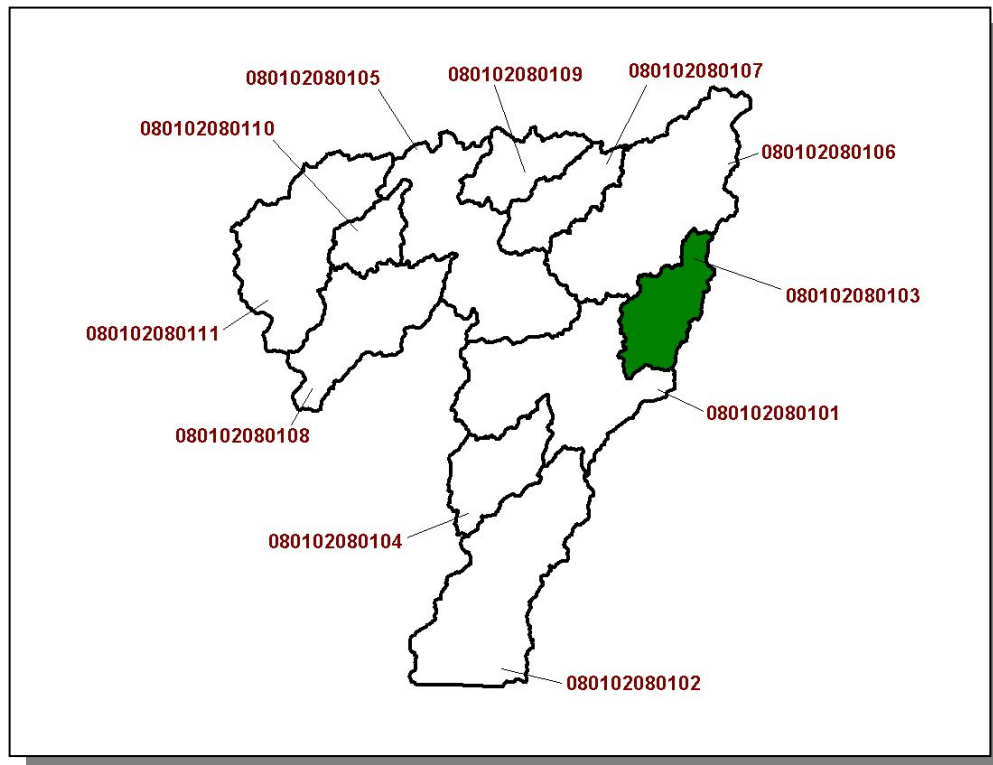
County	INVENTORY		REMOVAL RATE	
	Forest Land (thousand acres)	Timber Land (thousand acres)	Growing Stock (million cubic feet)	Sawtimber (million board feet)
Hardeman	247.1	247.1	5.0	18.6

**Table 4-12. Forest Acreage and Annual Removal Rates (1987-1994) in Hardeman County.**

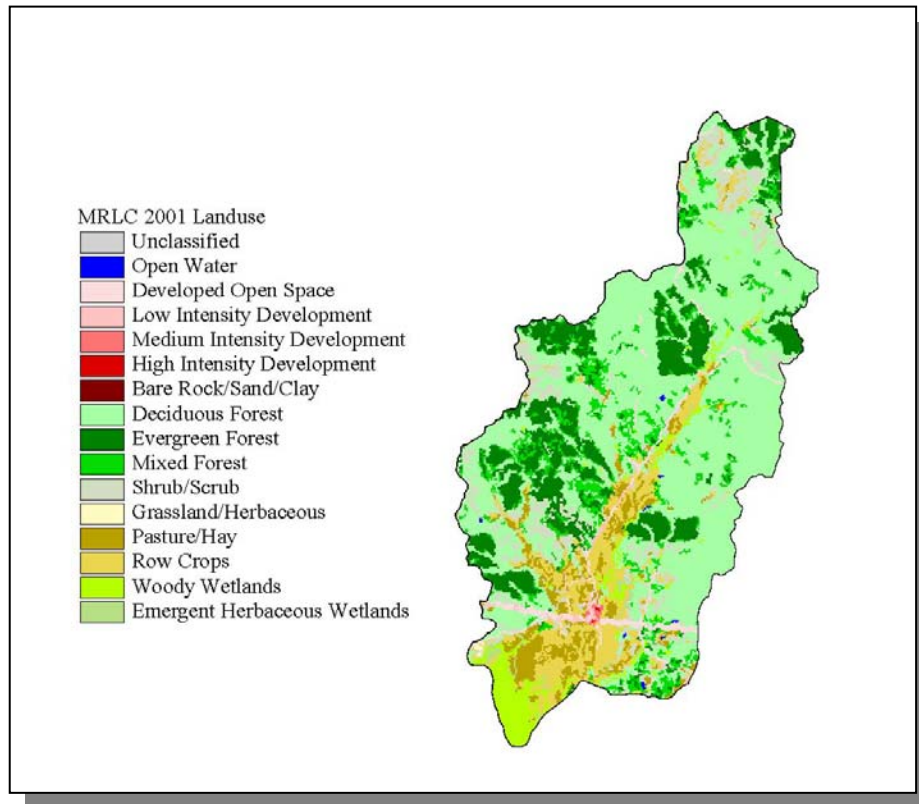
CROPS	TONS/ACRE/YEAR
Grass (Pastureland)	1.23
Grass (Hayland)	0.44
Legumes (Hayland)	1.14
Grass, Forbs, Legumes (Mixed Pasture)	1.06
Corn (Row Crops)	11.07
Cotton (Row Crops)	24.92
Sorghum (Row Crops)	3.04
Soybeans (Row Crops)	12.61
Wheat (Close-Grown Cropland)	15.03
Summer Fallow (Other Cropland)	6.11
Other Cropland not Planted	4.15
Conservation Reserve Program Lands	0.47
Farmsteads and Ranch Headquarters	0.95

**Table 4-13. Annual Estimated Total Soil Loss in Subwatershed 080102080102.**

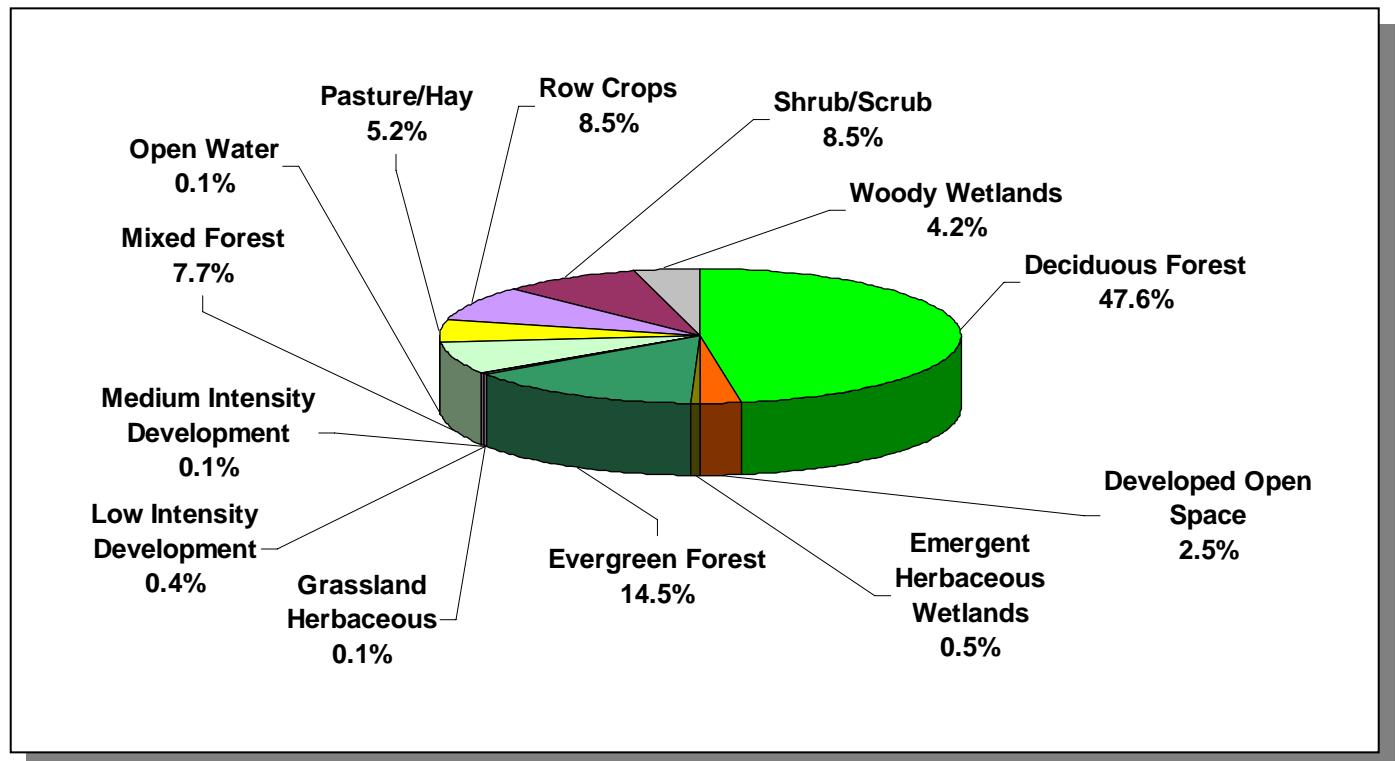
**4.2.A.iii. 080102080103 (Wade Creek).**



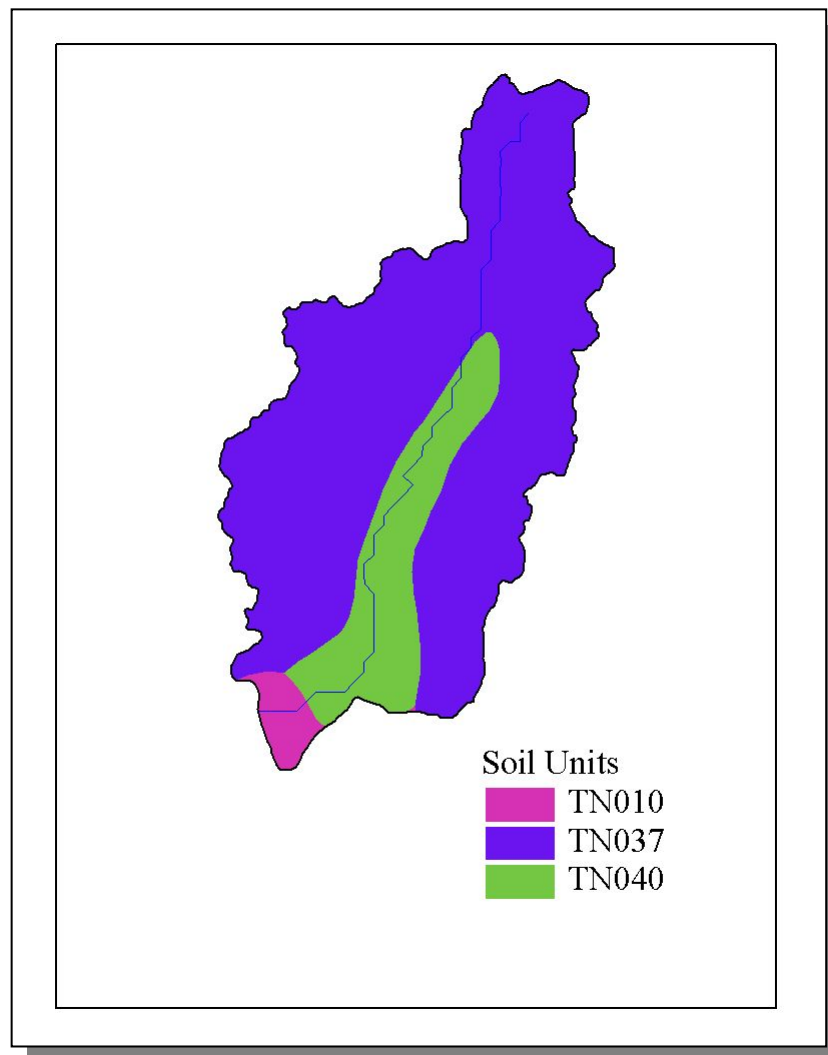
**Figure 4-19. Location of Subwatershed 080102080103.** All HUC-12 subwatershed boundaries in Tennessee are shown for reference.



**Figure 4-20. Illustration of Land Use Distribution in Subwatershed 080102080103.**



**Figure 4-21. Land Use Distribution in Subwatershed 080102080103.** More information is provided in Appendix IV.



**Figure 4-22. STATSGO (State Soil Geographic Database) Soil Map Units in Subwatershed 080102080103.**

STATSGO MAP UNIT ID	PERCENT HYDRIC	HYDROLOGIC GROUP	PERMEABILITY (in/hour)	SOIL pH	ESTIMATED SOIL TEXTURE	SOIL ERODIBILITY
TN010	81.00	C	1.33	5.11	Silty Loam	0.44
TN037	0.00	C	3.51	4.86	Sandy Loam	0.27
TN040	40.00	C	1.33	5.18	Silty Loam	0.38

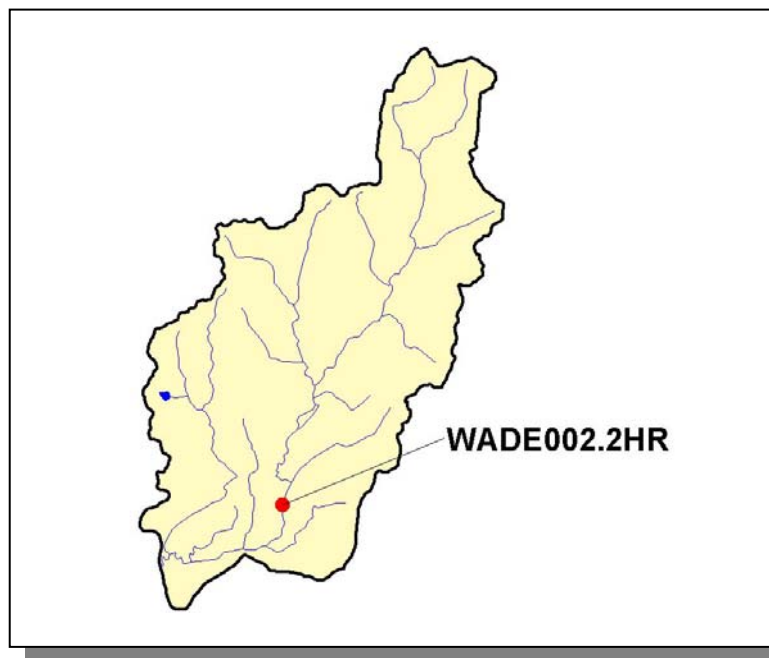
**Table 4-14. Soil Characteristics by STATSGO (State Soil Geographic Database) Soil Map Units in Subwatershed 080102080103.** The definition of “Hydrologic Group” is provided in Appendix IV.

County	COUNTY POPULATION			Portion of Watershed (%)	ESTIMATED POPULATION IN WATERSHED			% Change (1990-2000)
	1990	1997	2000		1990	1997	2000	
Chester	12,819	14,469	15,540	0.31	40	46	49	22.5
Hardeman	23,377	24,702	28,105	2.32	543	574	653	20.3
<b>Total</b>	<b>36,196</b>	<b>39,171</b>	<b>43,645</b>		<b>583</b>	<b>620</b>	<b>702</b>	<b>20.4</b>

**Table 4-15. Population Estimates in Subwatershed 080102080103.**

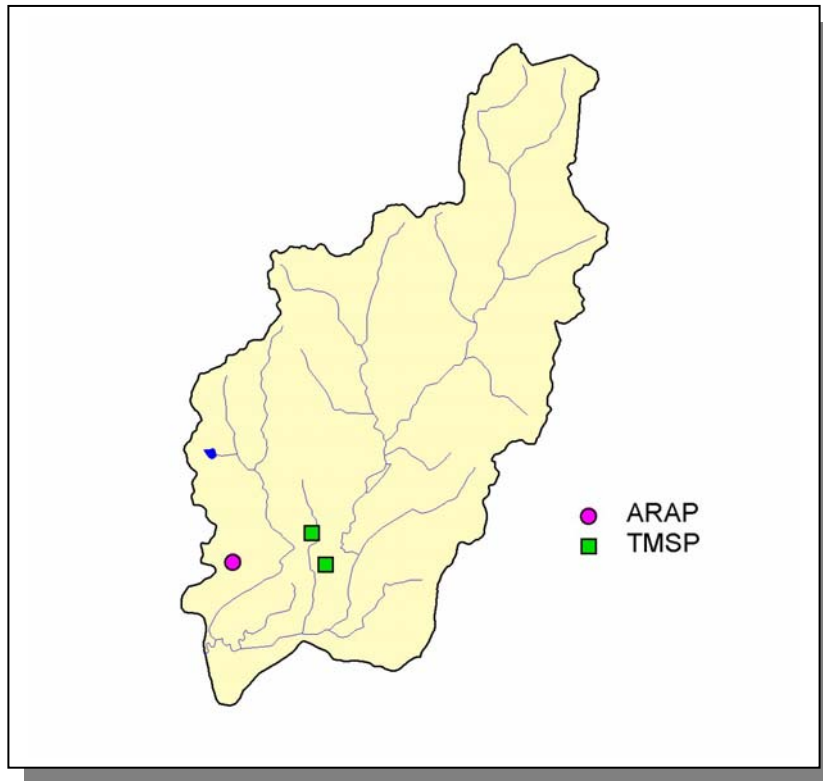
			NUMBER OF HOUSING UNITS			
Populated Place	County	Population	Total	Public Sewer	Septic Tank	Other
Hornsby	Hardeman	293	128	8	115	5

**Table 4-16. Housing and Sewage Disposal Practices of Select Communities in Subwatershed 080102080103.**



**Figure 4-23. Location of Monitoring Sites in EPA's STORET Database in Subwatershed 080102080103.** More information, including site names and locations, is provided in Appendix IV.

**4.2.A.iii.a. Point Source Contributions.**



**Figure 4-24. Location of Permits Issued in Subwatershed 080102080103.** More information, including the names of facilities, is provided in Appendix IV.



**Figure 4-25. Location of Aquatic Resource Alteration Permit (ARAP) Sites (Individual Permits) in Subwatershed 080102080103.** More information is provided in Appendix IV.



**Figure 4-26. Location of TMSP Sites in Subwatershed 080102080103.** More information, including the names of facilities, is provided in Appendix IV.

**4.2.A.iii.b. Nonpoint Source Contributions.**

LIVESTOCK COUNTS				
Beef Cow	Cattle	Milk Cow	Hogs	Sheep
82	144	<5	47	<5

**Table 4-17. Summary of Livestock Count Estimates in Subwatershed 080102080103.**  
According to the 1997 Census of Agriculture (<http://www.agcensus.usda.gov/>), "Cattle" includes heifers, heifer calves, steers, bulls and bull calves.

LIVESTOCK COUNTS						
County	Beef Cow	Cattle	Milk Cow	Chickens (Layers)	Hogs	Sheep
Chester	0	9,108	0	14	1,331	0
Hardeman	9,184	15,877	62	28	5,221	144

**Table 4-18. Summary of Livestock Count Estimates in Chester and Hardeman Counties.**  
According to the 1997 Census of Agriculture (<http://www.agcensus.usda.gov/>), "Cattle" includes heifers, heifer calves, steers, bulls and bull calves; "Chickens" are layers 20 weeks and older.

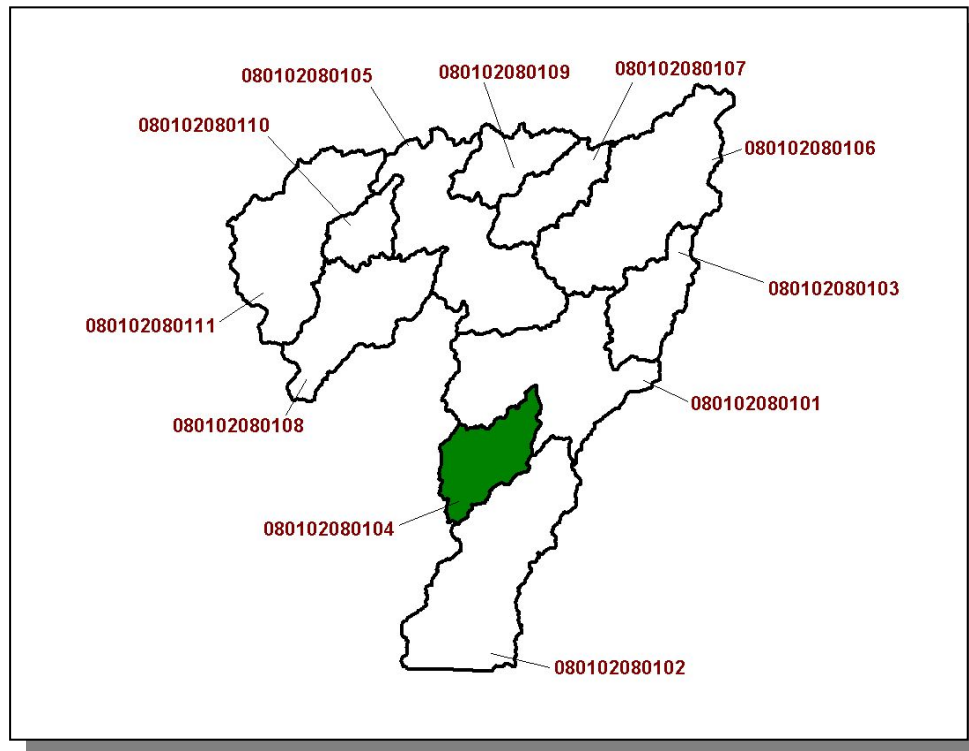
County	INVENTORY		REMOVAL RATE	
	Forest Land (thousand acres)	Timber Land (thousand acres)	Growing Stock (million cubic feet)	Sawtimber (million board feet)
Chester	99.4	99.4	0.3	1.3
Hardeman	247.1	247.1	5.0	18.6

**Table 4-19. Forest Acreage and Annual Removal Rates (1987-1994) in Chester and Hardeman Counties.**

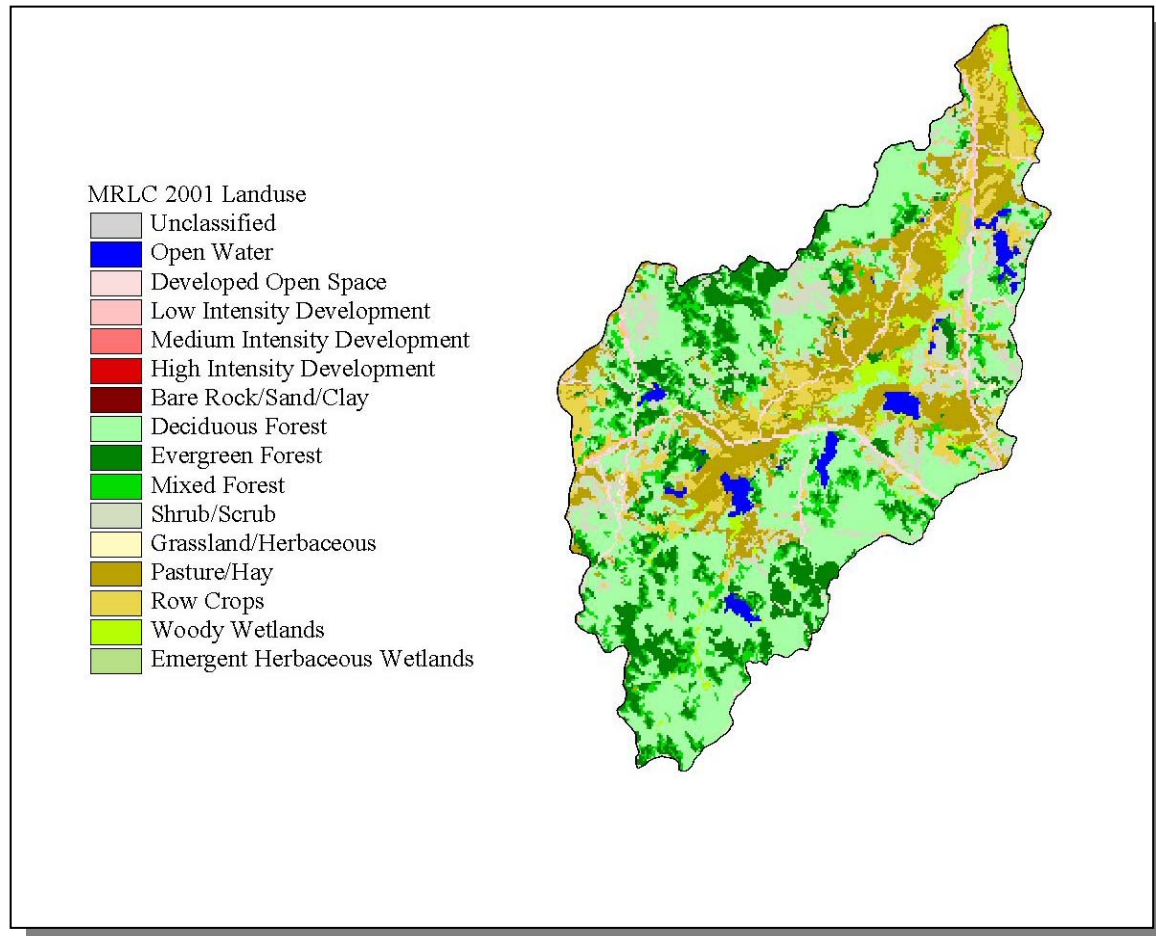
CROPS	TONS/ACRE/YEAR
Grass (Pastureland)	1.18
Grass (Hayland)	0.38
Legumes, Grass (Hayland)	0.21
Grass, Forbs, Legumes (Mixed Pasture)	1.03
Corn (Row Crops)	11.33
Cotton (Row Crops)	25.45
Sorghum (Row Crops)	3.04
Soybeans (Row Crops)	12.51
Wheat (Close-Grown Cropland)	14.79
Other Vegetable and Truck Crops	28.15
Summer Fallow (Other Cropland)	6.11
Other Cropland not Planted	4.01
Conservation Reserve Program Lands	0.28
Farmsteads and Ranch Headquarters	0.92

**Table 4-20. Annual Estimated Total Soil Loss in Subwatershed 080102080103.**

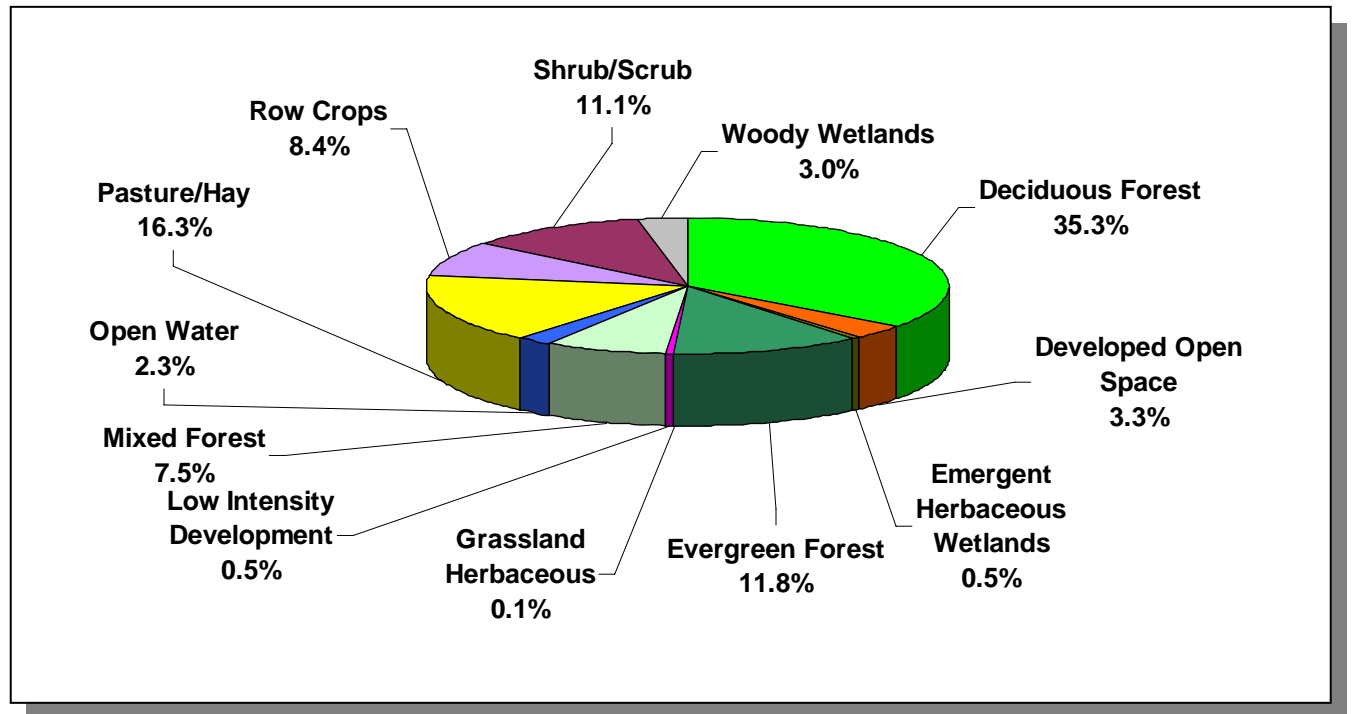
**4.2.A.iv. 080102080104 (Cub Creek).**



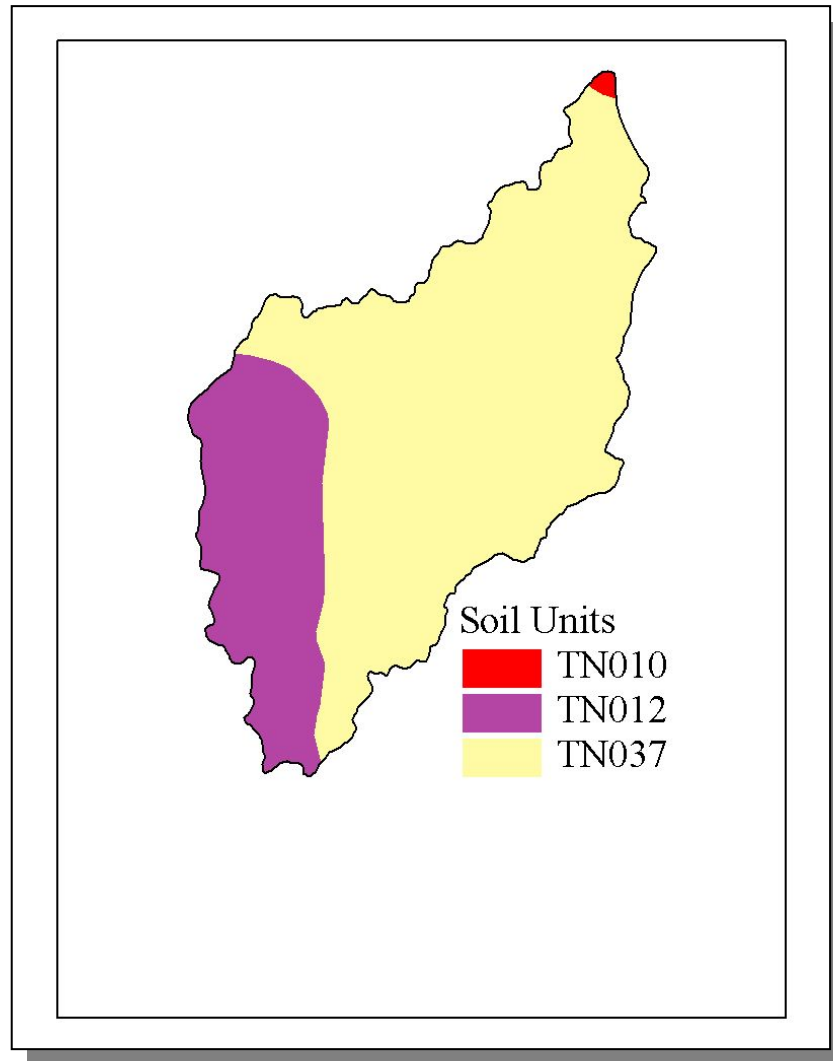
**Figure 4-27. Location of Subwatershed 080102080104.** All HUC-12 subwatershed boundaries in Tennessee are shown for reference.



**Figure 4-28. Illustration of Land Use Distribution in Subwatershed 080102080104.**



**Figure 4-29. Land Use Distribution in Subwatershed 080102080104.** More information is provided in Appendix IV.



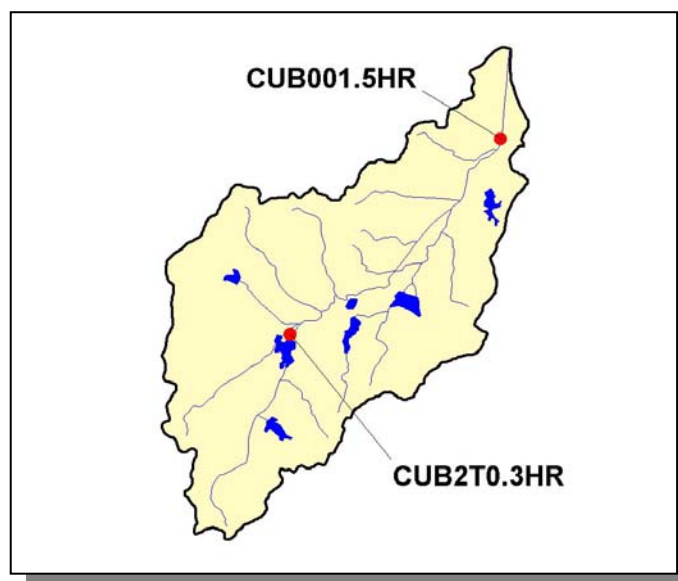
**Figure 4-30. STATSGO (State Soil Geographic Database) Soil Map Units in Subwatershed 080102080104.**

STATSGO MAP UNIT ID	PERCENT HYDRIC	HYDROLOGIC GROUP	PERMEABILITY (in/hour)	SOIL pH	ESTIMATED SOIL TEXTURE	SOIL ERODIBILITY
TN010	81.00	C	1.33	5.11	Silty Loam	0.44
TN012	1.00	C	2.52	5.13	Silty Loam	0.39
TN037	0.00	C	3.51	4.86	Sandy Loam	0.27

**Table 4-21. Soil Characteristics by STATSGO (State Soil Geographic Database) Soil Map Units in Subwatershed 080102080104.** The definition of “Hydrologic Group” is provided in Appendix IV.

County	COUNTY POPULATION			Portion of Watershed (%)	ESTIMATED POPULATION IN WATERSHED			% Change (1990-2000)
	1990	1997	2000		1990	1997	2000	
Hardeman	23,377	24,702	28,105	2.43	569	601	684	20.2

**Table 4-22. Population Estimates in Subwatershed 080102080104.**



**Figure 4-31. Location of Monitoring Sites in EPA's STORET Database in Subwatershed 080102080104.** More information, including site names and locations, is provided in Appendix IV.

**4.2.A.iv.a. Point Source Contributions.**

There are no point source contributions in this subwatershed.

**4.2.A.iv.b. Nonpoint Source Contributions.**

LIVESTOCK COUNTS					
Beef Cow	Cattle	Milk Cow	Chickens (Layers)	Hogs	Sheep
197	340	<5	<5	112	<5

**Table 4-23. Summary of Livestock Count Estimates in Subwatershed 080102080104.** According to the 1997 Census of Agriculture (<http://www.agcensus.usda.gov/>), "Cattle" includes heifers, heifer calves, steers, bulls and bull calves; "Chickens" are layers 20 weeks and older; "Chickens Sold" are all chickens used to produce meat.

LIVESTOCK COUNTS						
County	Beef Cow	Cattle	Milk Cow	Chickens (Layers)	Hogs	Sheep
Hardeman	9,184	15,877	62	28	5,221	144

**Table 4-24. Summary of Livestock Count Estimates in Hardeman County.** According to the 1997 Census of Agriculture (<http://www.agcensus.usda.gov/>), "Cattle" includes heifers, heifer calves, steers, bulls and bull calves; "Chickens" are layers 20 weeks and older.

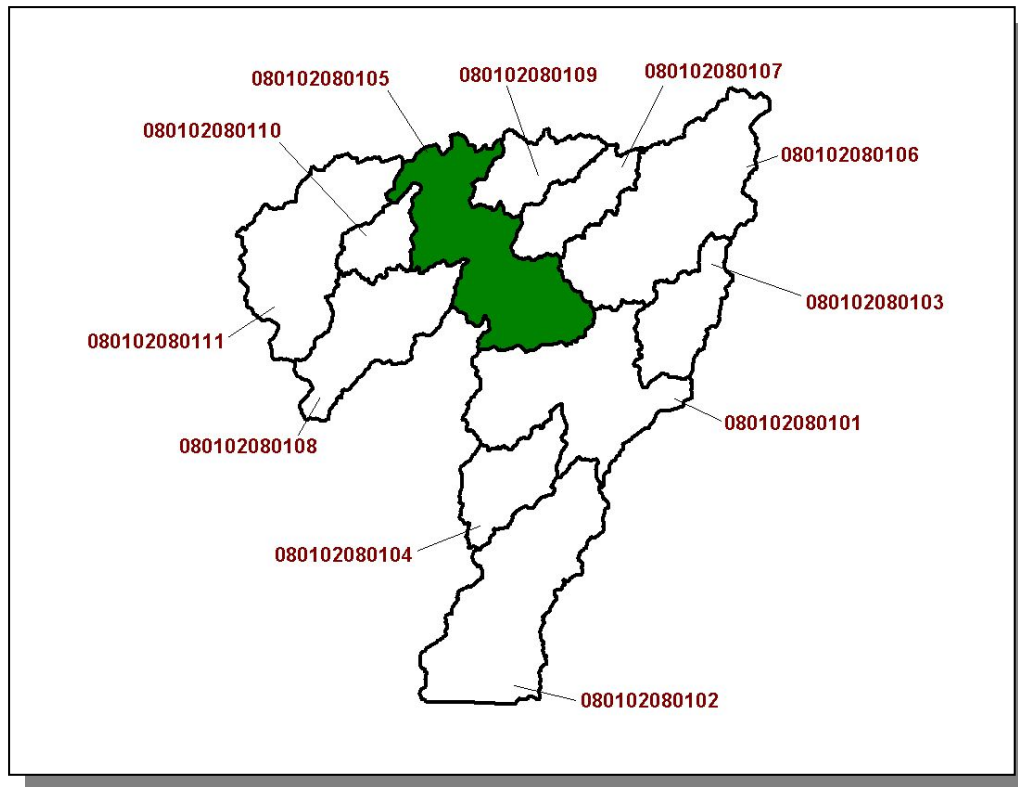
County	INVENTORY		REMOVAL RATE	
	Forest Land (thousand acres)	Timber Land (thousand acres)	Growing Stock (million cubic feet)	Sawtimber (million board feet)
Hardeman	247.1	247.1	5.0	18.6

**Table 4-25. Forest Acreage and Annual Removal Rates (1987-1994) in Hardeman County.**

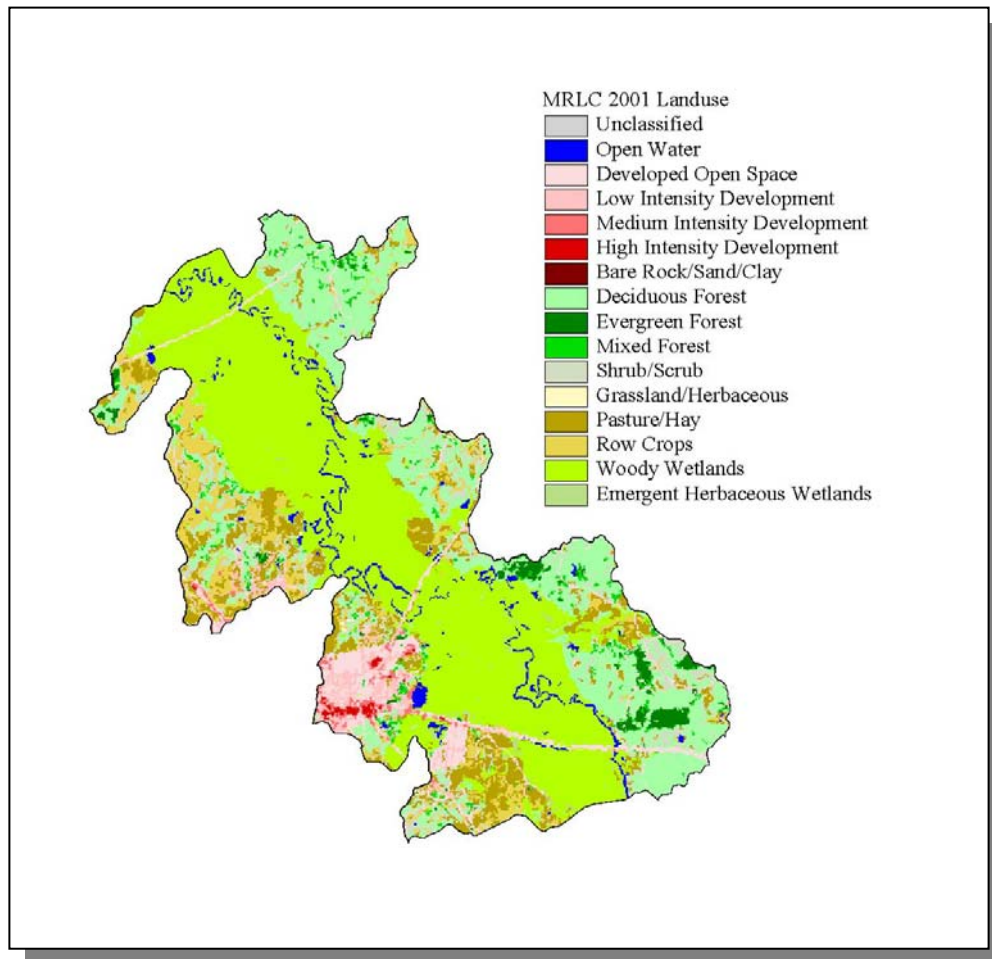
CROPS	TONS/ACRE/YEAR
Grass (Pastureland)	1.23
Grass (Hayland)	0.39
Grass, Forbs, Legumes (Mixed Pasture)	1.06
Corn (Row Crops)	11.41
Cotton (Row Crops)	25.79
Sorghum (Row Crops)	3.04
Soybeans (Row Crops)	12.89
Wheat (Close-Grown Cropland)	15.03
Summer Fallow (Other Cropland)	6.11
Other Cropland not Planted	4.23
Conservation Reserve Program Lands	0.27
Farmsteads and Ranch Headquarters	0.97

**Table 4-26. Annual Estimated Total Soil Loss in Subwatershed 080102080104.**

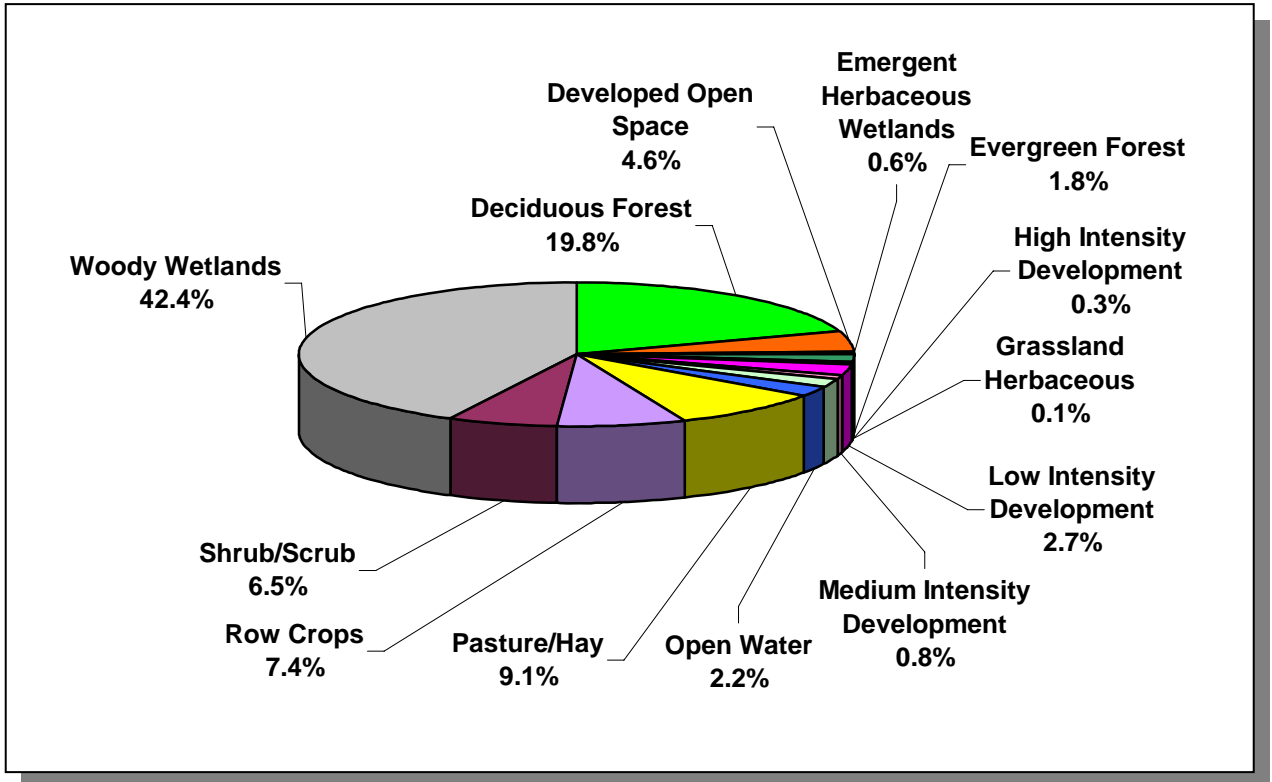
**4.2.A.v. 080102080105 (Hatchie River).**



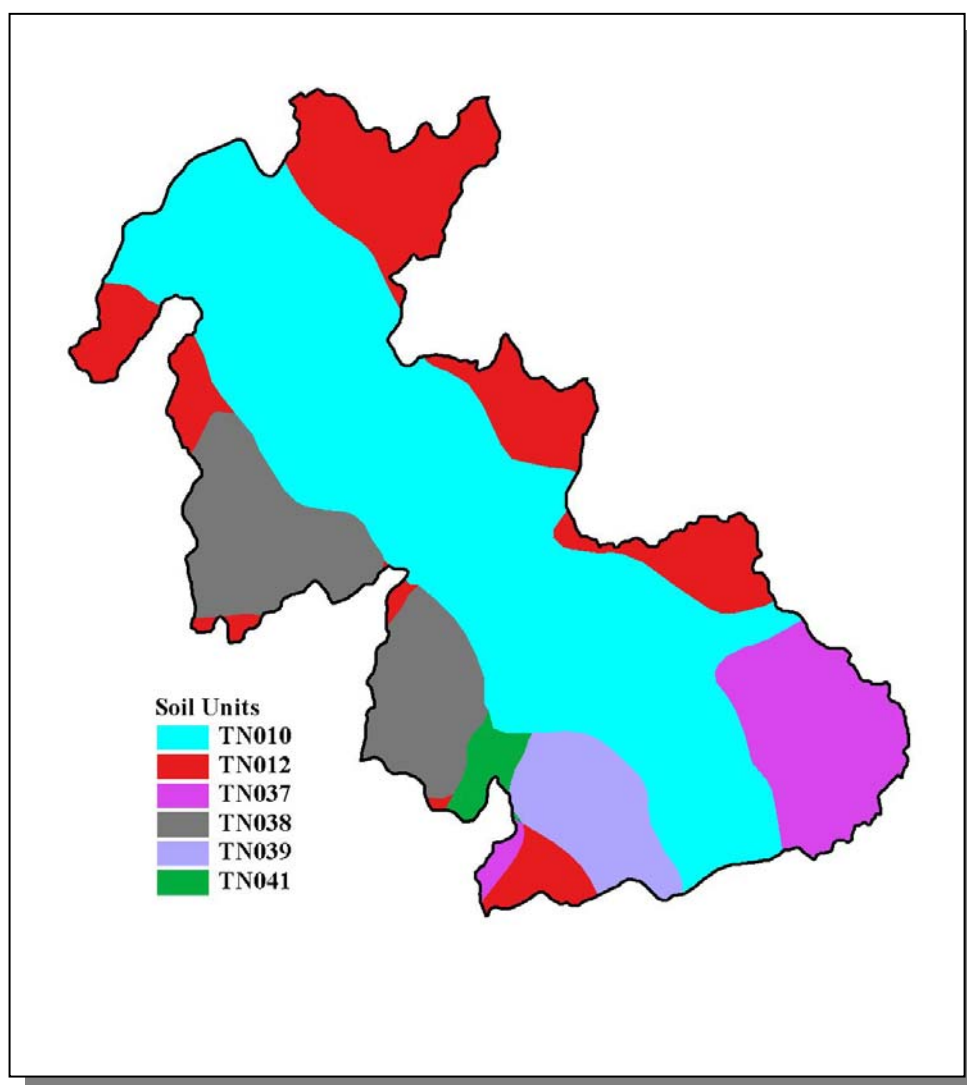
**Figure 4-32. Location of Subwatershed 080102080105.** All HUC-12 subwatershed boundaries in Tennessee are shown for reference.



**Figure 4-33. Illustration of Land Use Distribution in Subwatershed 080102080105.**



**Figure 4-34. Land Use Distribution in Subwatershed 080102080105.** More information is provided in Appendix IV.



**Figure 4-35. STATSGO (State Soil Geographic Database) Soil Map Units in Subwatershed 080102080105.**

STATSGO MAP UNIT ID	PERCENT HYDRIC	HYDROLOGIC GROUP	PERMEABILITY (in/hour)	SOIL pH	ESTIMATED SOIL TEXTURE	SOIL ERODIBILITY
TN010	81.00	C	1.33	5.11	Silty Loam	0.44
TN012	1.00	C	2.52	5.13	Silty Loam	0.39
TN037	0.00	C	3.51	4.86	Sandy Loam	0.27
TN038	9.00	C	1.65	5.20	Silty Loam	0.46
TN039	24.00	C	1.35	5.20	Silty Loam	0.47
TN041	59.00	C	1.35	4.98	Silty Loam	0.34

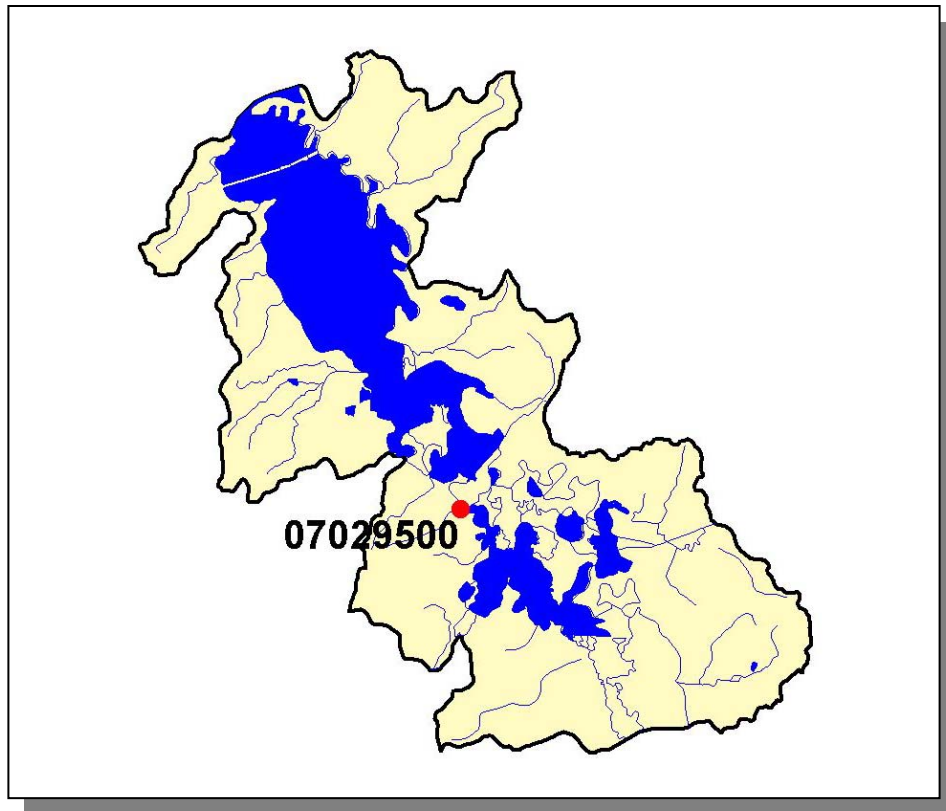
**Table 4-27. Soil Characteristics by STATSGO (State Soil Geographic Database) Soil Map Units in Subwatershed 080102080105.** The definition of "Hydrologic Group" is provided in Appendix IV.

County	COUNTY POPULATION			Portion of Watershed (%)	ESTIMATED POPULATION IN WATERSHED			% Change (1990-2000)
	1990	1997	2000		1990	1997	2000	
Hardeman	23,377	24,702	28,105	6.32	1,477	1,561	1,776	20.2

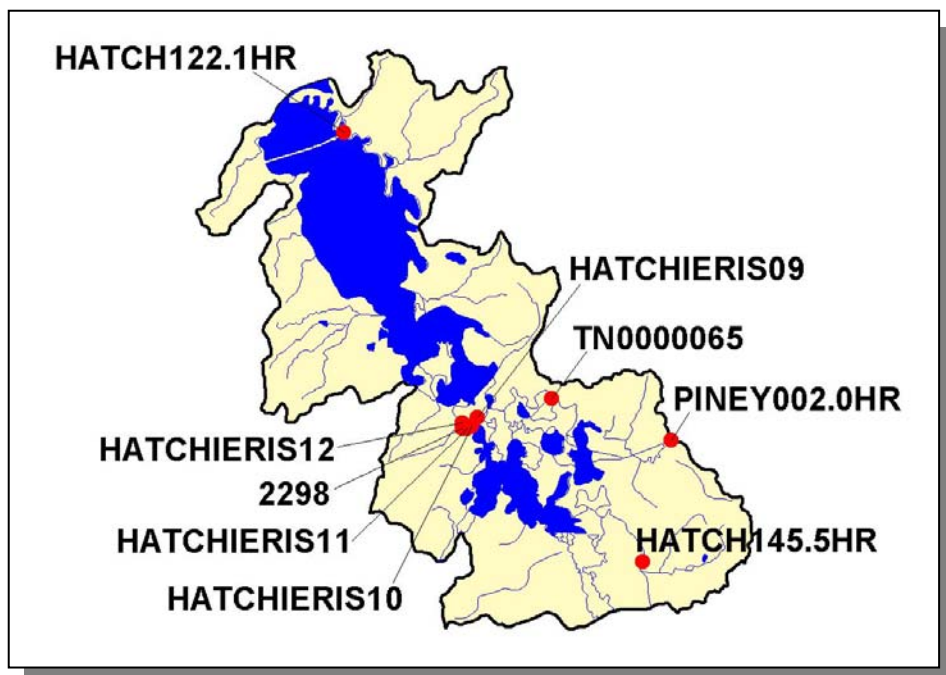
**Table 4-28. Population Estimates in Subwatershed 080102080105.**

			NUMBER OF HOUSING UNITS			
Populated Place	County	Population	Total	Public Sewer	Septic Tank	Other
Bolivar	Hardeman	5,969	2,098	1,915	161	22
Toone	Hardeman	279	102	69	33	0
<b>Total</b>		<b>6,248</b>	<b>2,200</b>	<b>1,984</b>	<b>194</b>	<b>22</b>

**Table 4-29. Housing and Sewage Disposal Practices of Select Communities in Subwatershed 080102080105.**

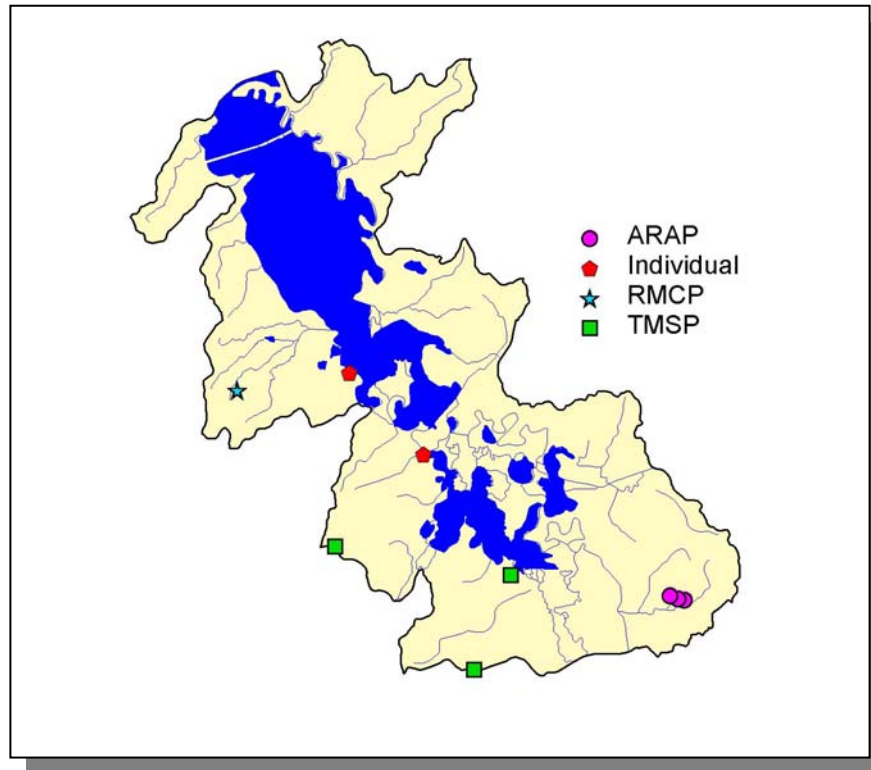


**Figure 4-36. Location of Historical Streamflow Data Collection Sites in Subwatershed 080102080105.** More information is provided in Appendix IV.

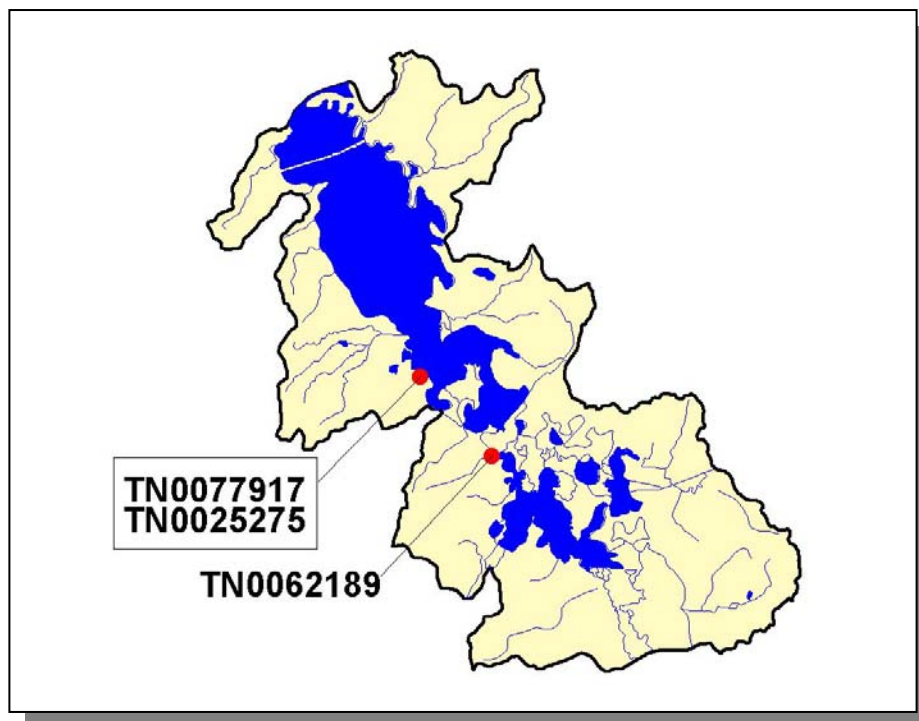


**Figure 4-37. Location of Monitoring Sites in EPA's STORET Database in Subwatershed 080102080105.** More information, including site names and locations, is provided in Appendix IV.

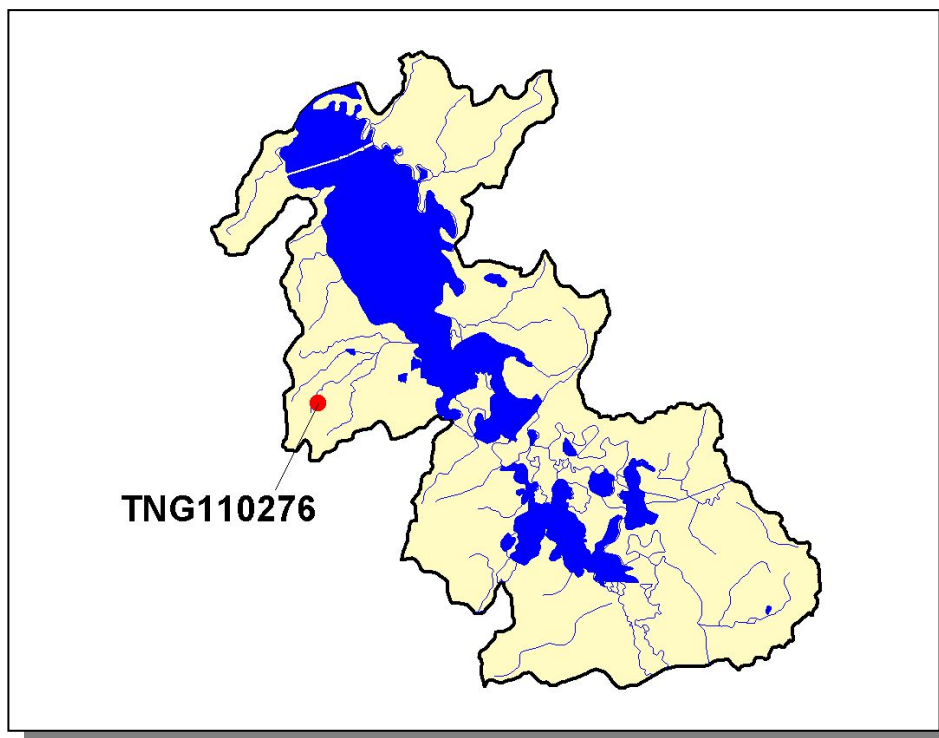
**4.2.A.v.a. Point Source Contributions.**



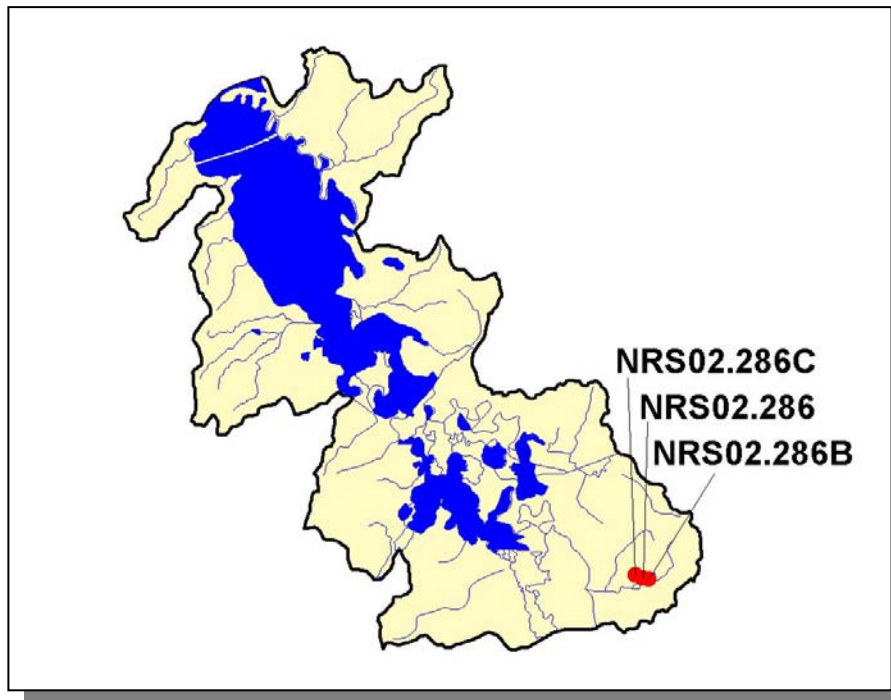
**Figure 4-38. Location of Permits Issued in Subwatershed 080102080105.** More information, including the names of facilities, is provided in Appendix IV.



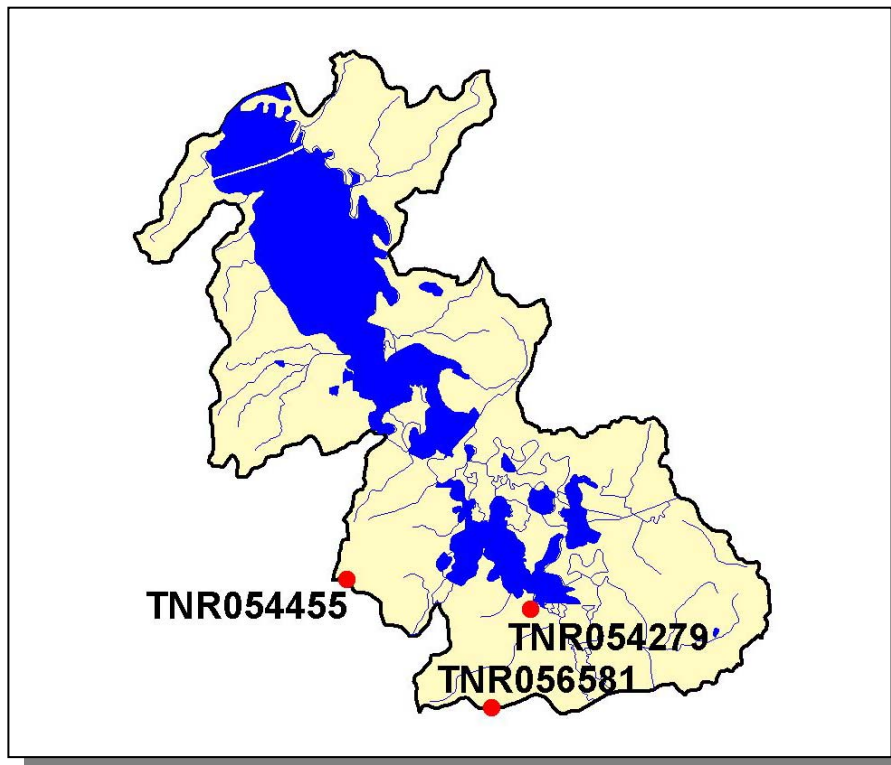
**Figure 4-39. Location of Active NPDES Sites in Subwatershed 080102080105.** More information, including the names of facilities, is provided in Appendix IV.



**Figure 4-40. Location of Ready Mix Concrete Plants (RMCP) in Subwatershed 080102080105.** More information is provided in Appendix IV.



**Figure 4-41. Location of Aquatic Resource Alteration Permit (ARAP) Sites (Individual Permits) in Subwatershed 080102080105.** More information is provided in Appendix IV.



**Figure 4-42. Location of TMSP Sites in Subwatershed 080102080105.** More information, including the names of facilities, is provided in Appendix IV.

**4.2.A.v.b. Nonpoint Source Contributions.**

LIVESTOCK COUNTS					
Beef Cow	Cattle	Milk Cow	Chickens (Layers)	Hogs	Sheep
413	713	<5	<5	235	6

**Table 4-30. Summary of Livestock Count Estimates in Subwatershed 080102080105.** According to the 1997 Census of Agriculture (<http://www.agcensus.usda.gov/>), "Cattle" includes heifers, heifer calves, steers, bulls and bull calves; "Chickens" are layers 20 weeks and older.

LIVESTOCK COUNTS						
County	Beef Cow	Cattle	Milk Cow	Chickens (Layers)	Hogs	Sheep
Hardeman	9,184	15,877	62	28	5,221	144

**Table 4-31. Summary of Livestock Count Estimates in Hardeman County.** According to the 1997 Census of Agriculture (<http://www.agcensus.usda.gov/>), "Cattle" includes heifers, heifer calves, steers, bulls and bull calves; "Chickens" are layers 20 weeks and older.

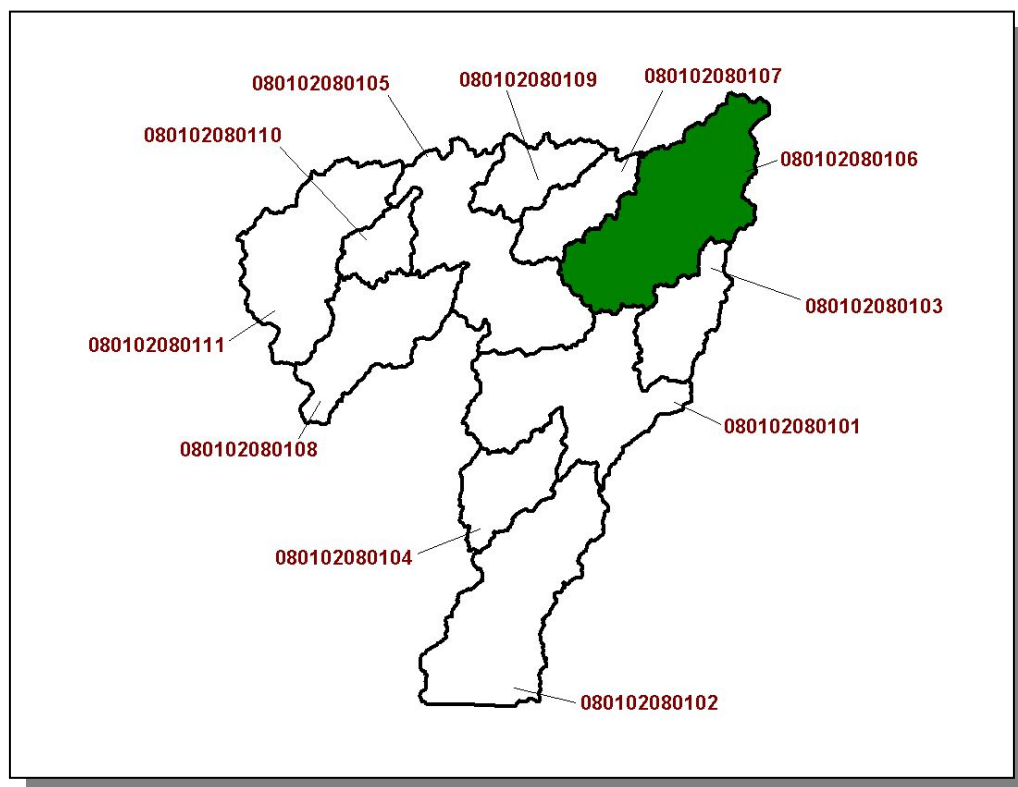
County	INVENTORY		REMOVAL RATE	
	Forest Land (thousand acres)	Timber Land (thousand acres)	Growing Stock (million cubic feet)	Sawtimber (million board feet)
Hardeman	247.1	247.1	5.0	18.6

**Table 4-32. Forest Acreage and Annual Removal Rates (1987-1994) in Hardeman County.**

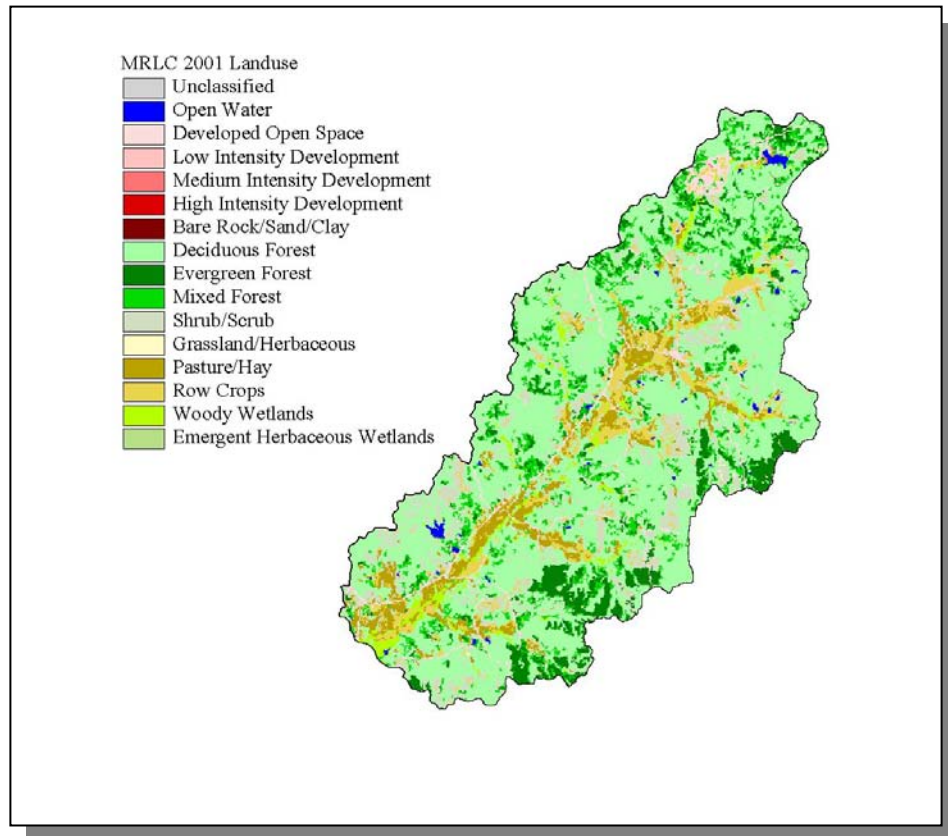
CROPS	TONS/ACRE/YEAR
Grass (Pastureland)	1.23
Grass (Hayland)	0.39
Grass, Forbs, Legumes (Mixed Pasture)	1.06
Corn (Row Crops)	11.41
Cotton (Row Crops)	25.79
Sorghum (Row Crops)	3.04
Soybeans (Row Crops)	12.89
Wheat (Close-Grown Cropland)	15.03
Summer Fallow (Other Cropland)	6.11
Other Cropland not Planted	4.23
Conservation Reserve Program Lands	0.27
Farmsteads and Ranch Headquarters	0.97

**Table 4-33. Annual Estimated Total Soil Loss in Subwatershed 080102080105.**

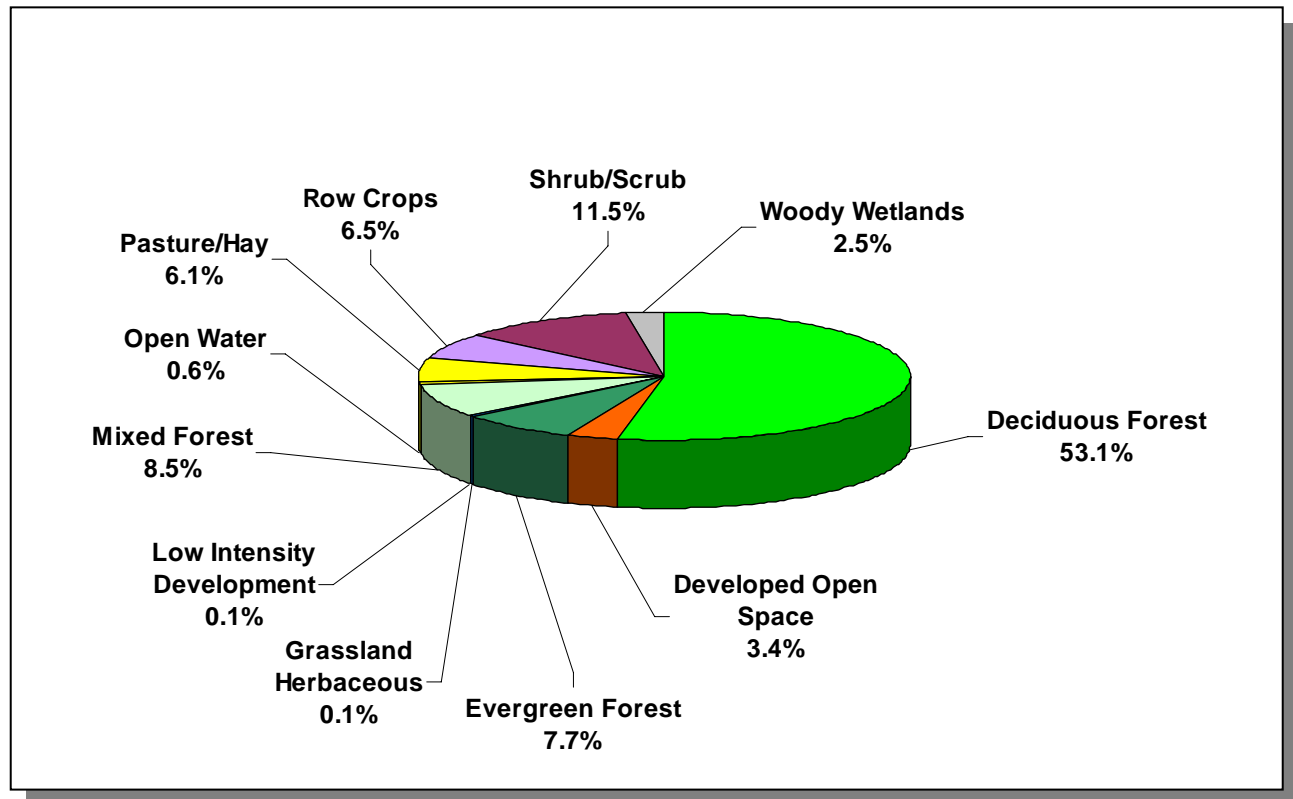
**4.2.A.vi. 080102080106 (Piney Creek).**



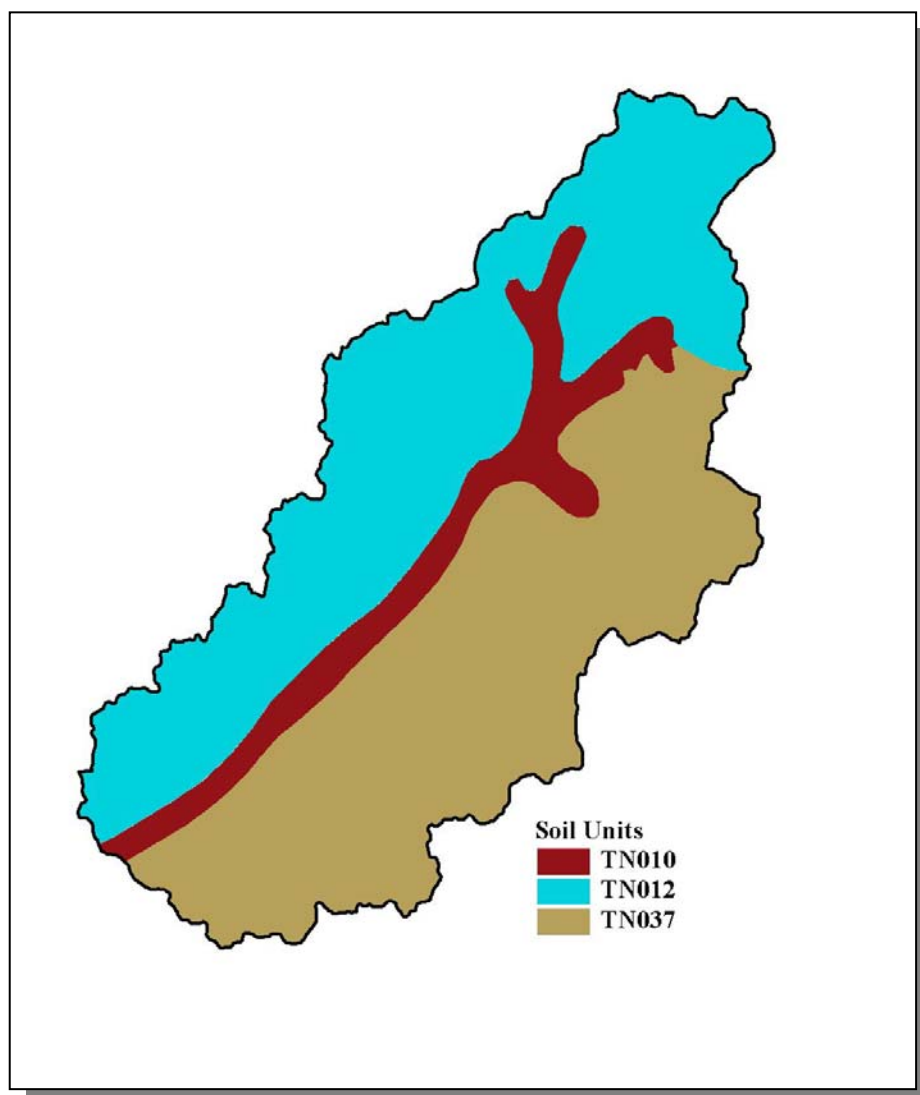
**Figure 4-43. Location of Subwatershed 080102080106.** All HUC-12 subwatershed boundaries in Tennessee are shown for reference.



**Figure 4-44. Illustration of Land Use Distribution in Subwatershed 080102080106.**



**Figure 4-45. Land Use Distribution in Subwatershed 080102080106.** More information is provided in Appendix IV.



**Figure 4-46. STATSGO (State Soil Geographic Database) Soil Map Units in Subwatershed 080102080106.**

STATSGO MAP UNIT ID	PERCENT HYDRIC	HYDROLOGIC GROUP	PERMEABILITY (in/hour)	SOIL pH	ESTIMATED SOIL TEXTURE	SOIL ERODIBILITY
TN010	81.00	C	1.33	5.11	Silty Loam	0.44
TN012	1.00	C	2.52	5.13	Silty Loam	0.39
TN037	0.00	C	3.51	4.86	Sandy Loam	0.27

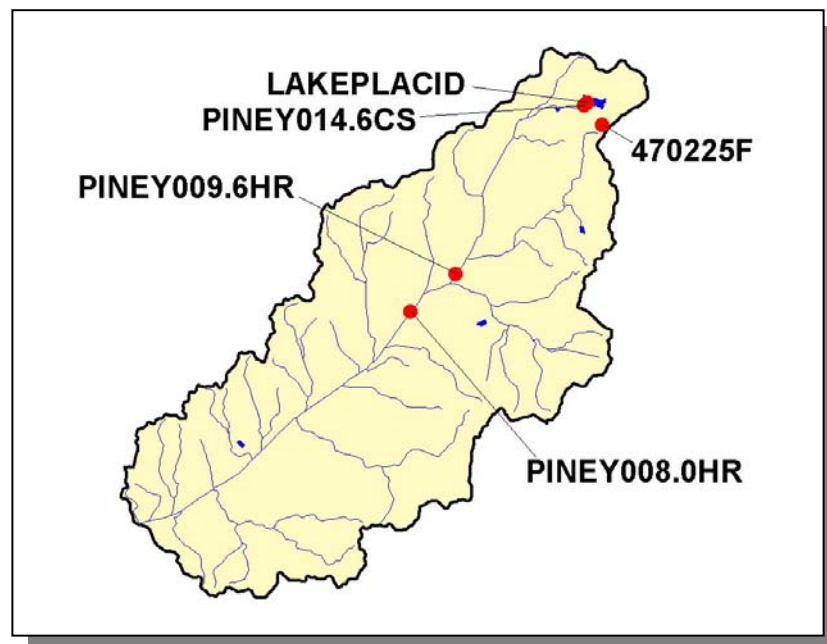
**Table 4-34. Soil Characteristics by STATSGO (State Soil Geographic Database) Soil Map Units in Subwatershed 080102080106.** The definition of "Hydrologic Group" is provided in Appendix IV.

County	COUNTY POPULATION			Portion of Watershed (%)	ESTIMATED POPULATION IN WATERSHED			% Change (1990-2000)
	1990	1997	2000		1990	1997	2000	
Chester	12,819	14,469	15,540	4.89	627	708	760	21.2
Hardeman	23,377	24,702	28,105	4.86	1,136	1,201	1,366	20.2
<b>Total</b>	<b>36,196</b>	<b>39,171</b>	<b>43,645</b>		<b>1,763</b>	<b>1,909</b>	<b>2,126</b>	<b>20.6</b>

**Table 4-35. Population Estimates in Subwatershed 080102080106.**

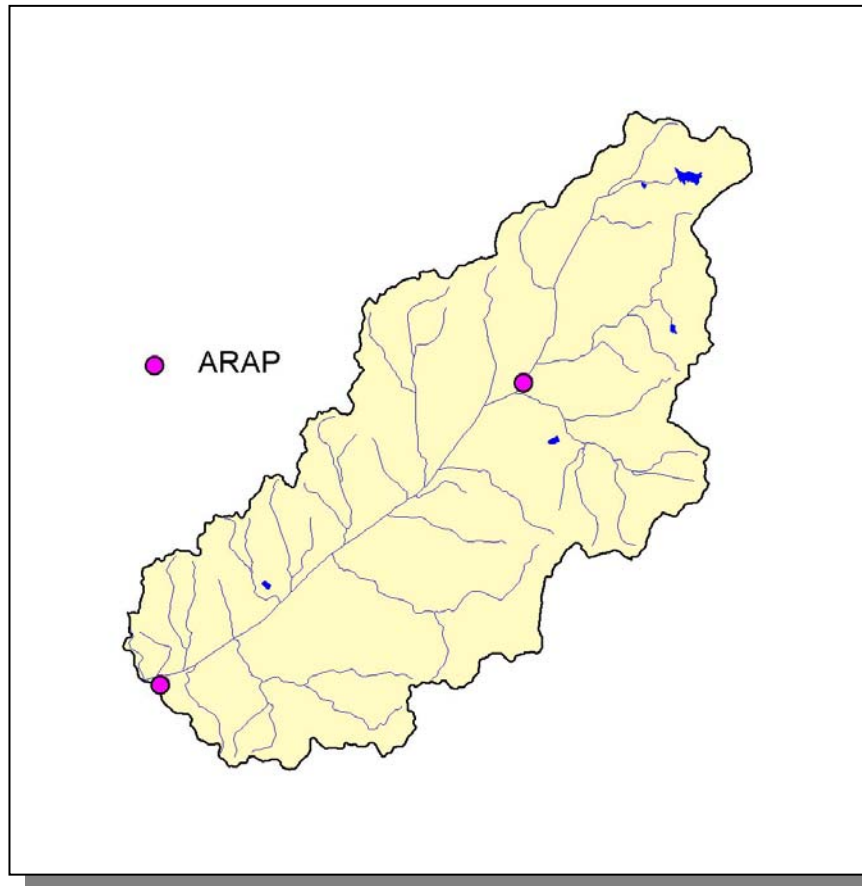
Populated Place	County	Population	NUMBER OF HOUSING UNITS			
			Total	Public Sewer	Septic Tank	Other
Silerton	Hardeman	50	45	0	45	0

**Table 4-36. Housing and Sewage Disposal Practices of Select Communities in Subwatershed 080102080106.**

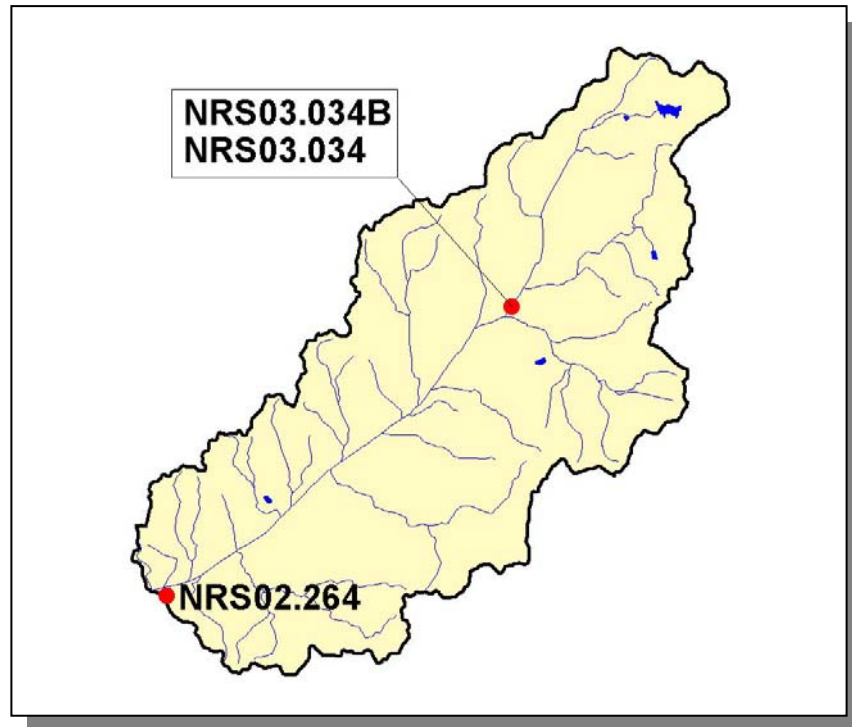


**Figure 4-47. Location of Monitoring Sites in EPA's STORET Database in Subwatershed 080102080106.** More information, including site names and locations, is provided in Appendix IV.

**4.2.A.vi.a. Point Source Contributions.**



**Figure 4-48. Location of Permits Issued in Subwatershed 080102080106.** More information, including the names of facilities, is provided in Appendix IV.



**Figure 4-49. Location of Aquatic Resource Alteration Permit (ARAP) Sites (Individual Permits) in Subwatershed 080102080106.** More information is provided in Appendix IV.

**4.2.A.vi.b. Nonpoint Source Contributions.**

LIVESTOCK COUNTS					
Beef Cow	Cattle	Milk Cow	Chickens (Layers)	Hogs	Sheep
196	656	<5	<5	158	<5

**Table 4-37. Summary of Livestock Count Estimates in Subwatershed 080102080106.**  
According to the 1997 Census of Agriculture (<http://www.agcensus.usda.gov/>), "Cattle" includes heifers, heifer calves, steers, bulls and bull calves; "Chickens" are layers 20 weeks and older.

LIVESTOCK COUNTS						
County	Beef Cow	Cattle	Milk Cow	Chickens (Layers)	Hogs	Sheep
Chester	0	9,108	0	14	1,331	0
Hardeman	9,184	15,877	62	28	5,221	144

**Table 4-38. Summary of Livestock Count Estimates in Chester and Hardeman Counties.**  
According to the 1997 Census of Agriculture (<http://www.agcensus.usda.gov/>), "Cattle" includes heifers, heifer calves, steers, bulls and bull calves; "Chickens" are layers 20 weeks and older.

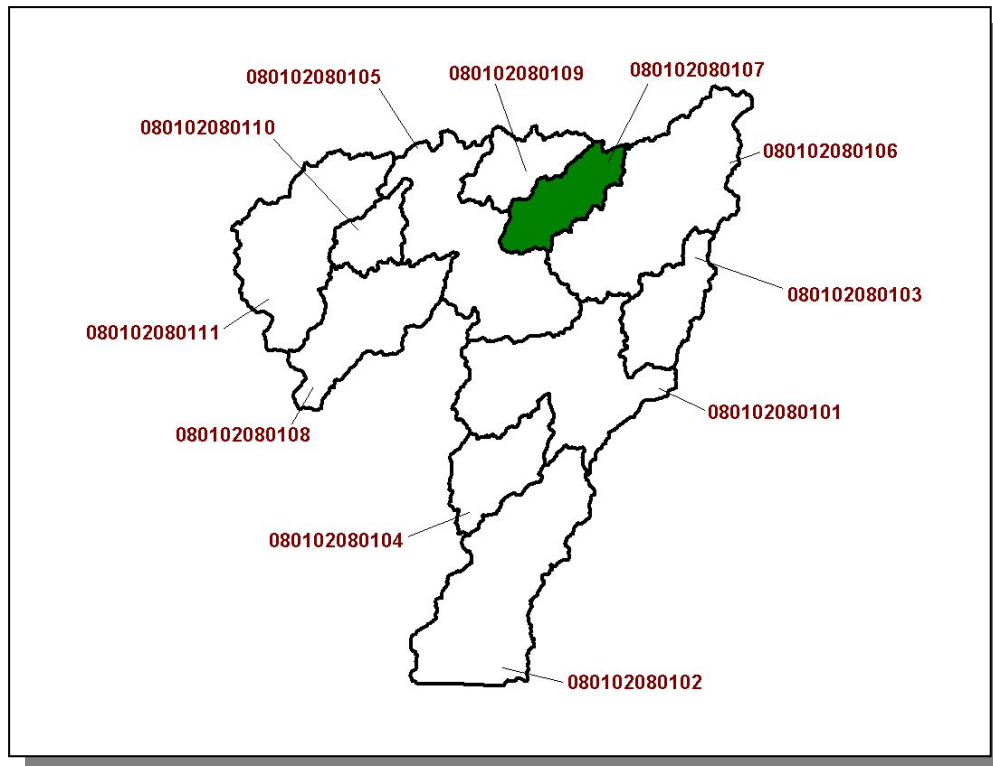
County	INVENTORY		REMOVAL RATE	
	Forest Land (thousand acres)	Timber Land (thousand acres)	Growing Stock (million cubic feet)	Sawtimber (million board feet)
Chester	99.4	99.4	0.3	1.3
Hardeman	247.1	247.1	5.0	18.6

**Table 4-39. Forest Acreage and Annual Removal Rates (1987-1994) in Chester and Hardeman Counties.**

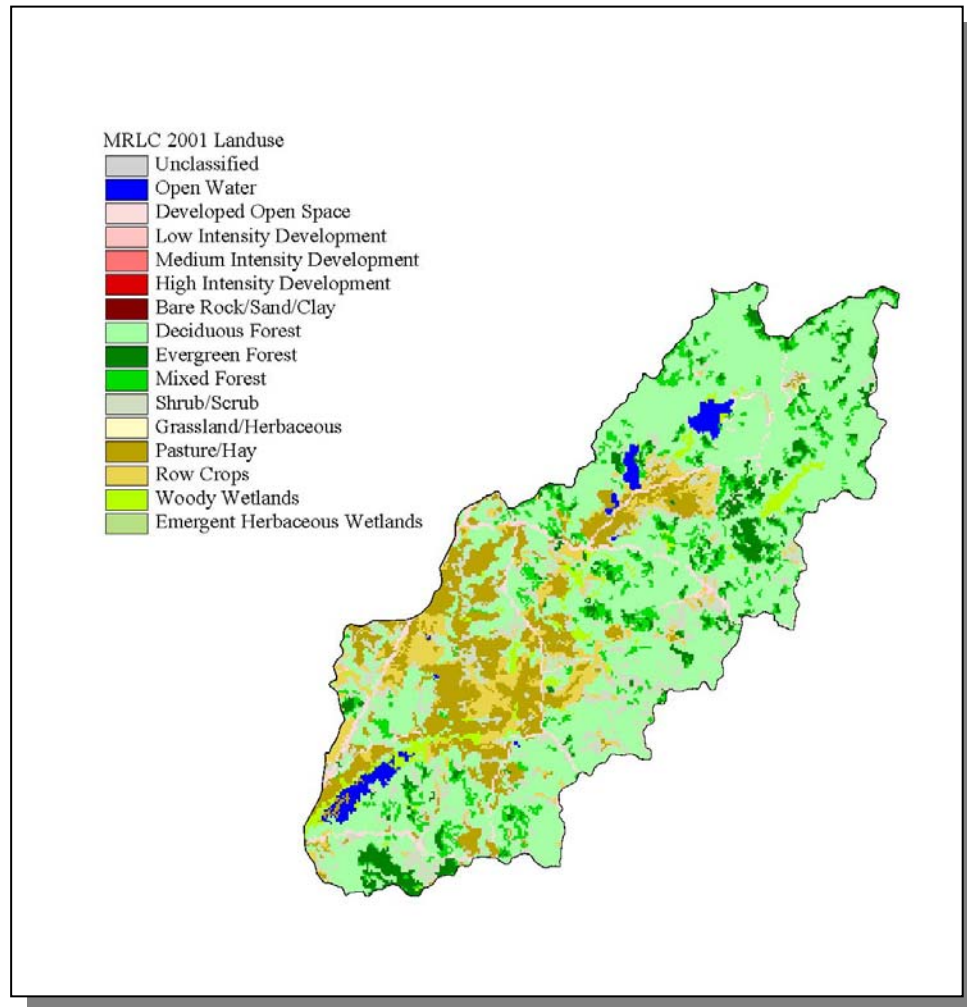
CROPS	TONS/ACRE/YEAR
Grass (Pastureland)	0.96
Grass (Hayland)	0.36
Legumes, Grass (Hayland)	0.21
Grass, Forbs, Legumes (Mixed Pasture)	0.86
Corn (Row Crops)	10.98
Cotton (Row Crops)	23.94
Sorghum (Row Crops)	3.04
Soybeans (Row Crops)	10.84
Wheat (Close-Grown Cropland)	13.69
Other Vegetable and Truck Crops	28.15
Summer Fallow (Other Cropland)	6.11
Other Cropland not Planted	3.01
Conservation Reserve Program Lands	0.32
Farmsteads and Ranch Headquarters	0.70

**Table 4-40. Annual Estimated Total Soil Loss in Subwatershed 080102080106.**

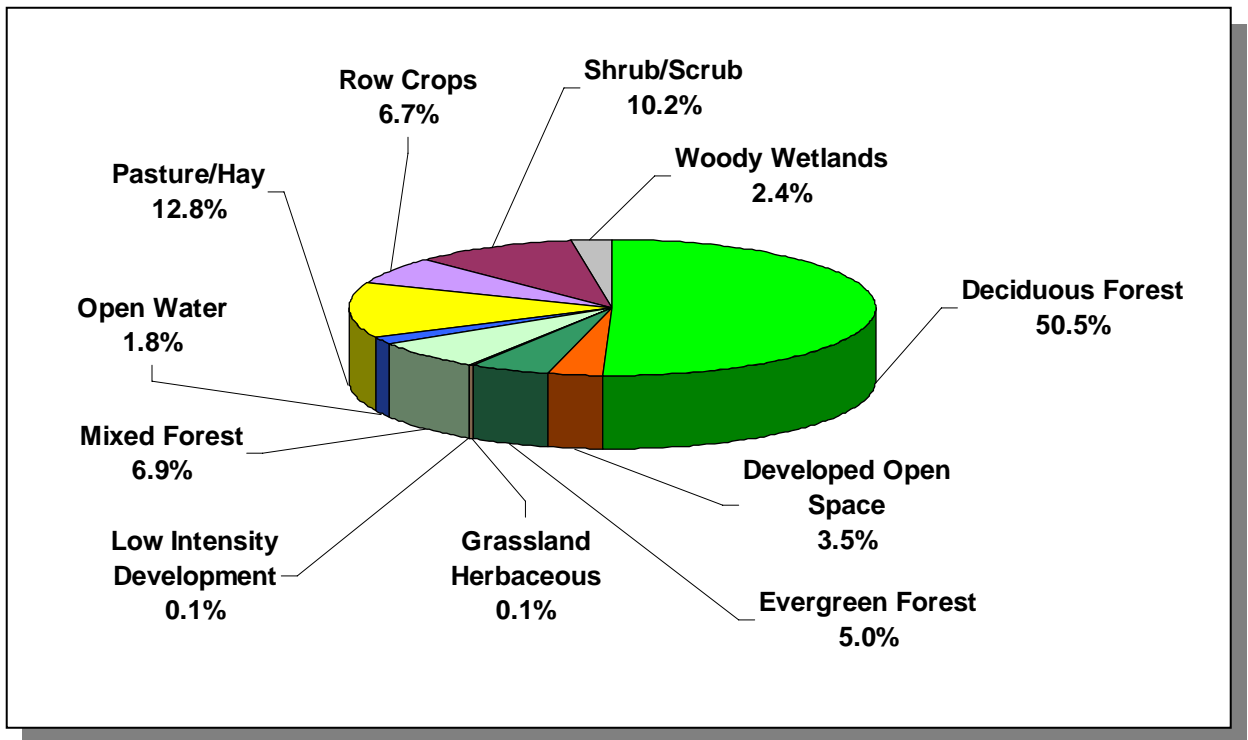
**4.2.A.vii. 080102080107 (Grays Creek).**



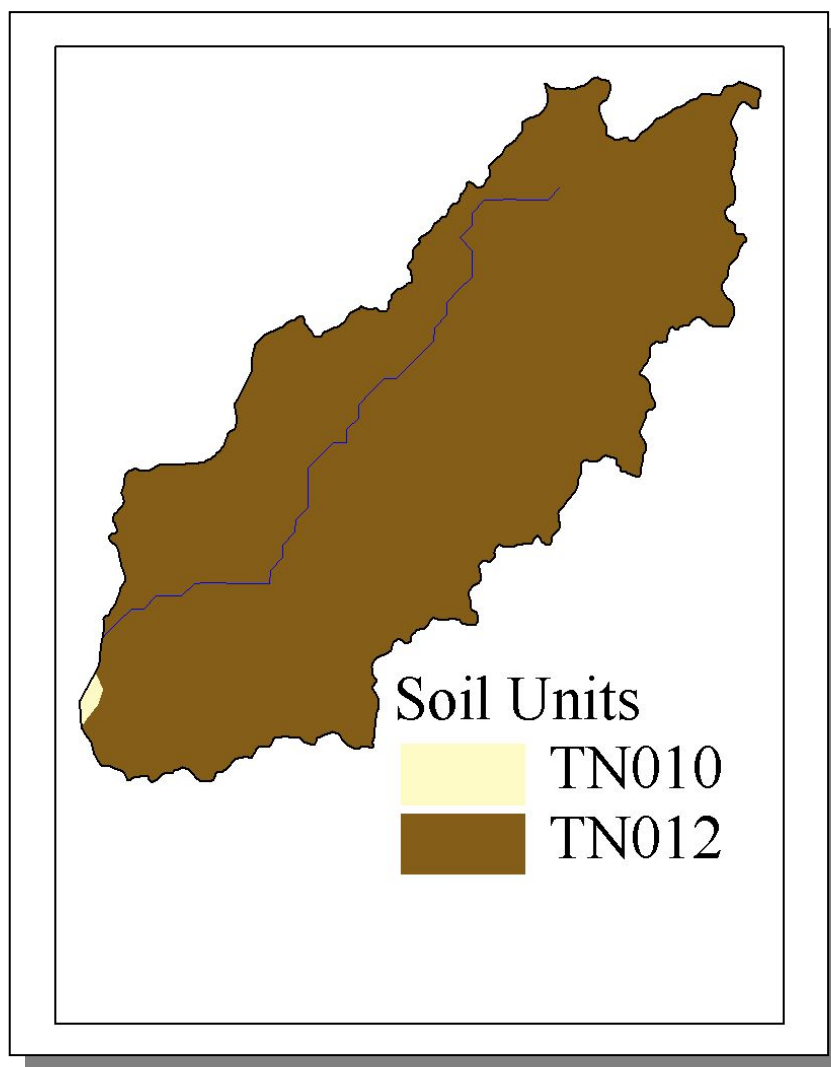
**Figure 4-50. Location of Subwatershed 080102080107.** All HUC-12 subwatershed boundaries in Tennessee are shown for reference.



**Figure 4-51. Illustration of Land Use Distribution in Subwatershed 080102080107.**



**Figure 4-52. Land Use Distribution in Subwatershed 080102080107.** More information is provided in Appendix IV.



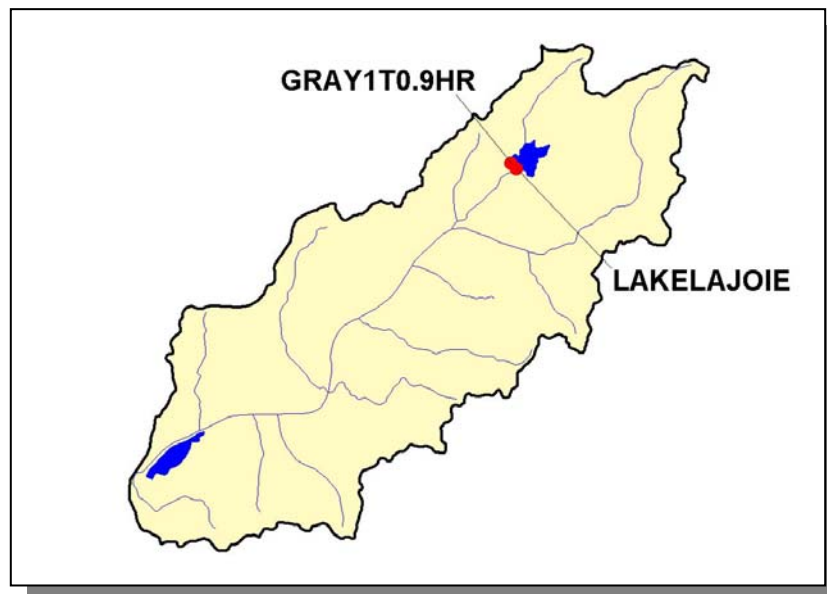
**Figure 4-53. STATSGO (State Soil Geographic Database) Soil Map Units in Subwatershed 080102080107.**

STATSGO MAP UNIT ID	PERCENT HYDRIC	HYDROLOGIC GROUP	PERMEABILITY (in/hour)	SOIL pH	ESTIMATED SOIL TEXTURE	SOIL ERODIBILITY
TN010	81.00	C	1.33	5.11	Silty Loam	0.44
TN012	1.00	C	2.52	5.13	Silty Loam	0.39

**Table 4-41. Soil Characteristics by STATSGO (State Soil Geographic Database) Soil Map Units in Subwatershed 080102080107.** The definition of “Hydrologic Group” is provided in Appendix IV.

County	COUNTY POPULATION			Portion of Watershed (%)	ESTIMATED POPULATION IN WATERSHED			% Change (1990-2000)
	1990	1997	2000		1990	1997	2000	
Hardeman	23,377	24,702	28,105	2.17	508	537	611	20.3

**Table 4-42. Population Estimates in Subwatershed 080102080107.**



**Figure 4-54. Location of Monitoring Sites in EPA's STORET Database in Subwatershed 080102080107.** More information, including site names and locations, is provided in Appendix IV.

**4.2.A.vii.a. Point Source Contributions.**

There are no point source contributions in this subwatershed.

**4.2.A.vii.b. Nonpoint Source Contributions.**

LIVESTOCK COUNTS					
Beef Cow	Cattle	Milk Cow	Chickens (Layers)	Hogs	Sheep
206	355	<5	<5	117	<5

**Table 4-43. Summary of Livestock Count Estimates in Subwatershed 080102080107.** According to the 1997 Census of Agriculture (<http://www.agcensus.usda.gov/>), "Cattle" includes heifers, heifer calves, steers, bulls and bull calves; "Chickens" are layers 20 weeks and older.

LIVESTOCK COUNTS						
County	Beef Cow	Cattle	Milk Cow	Chickens (Layers)	Hogs	Sheep
Hardeman	9,184	15,877	62	28	5,221	144

**Table 4-44. Summary of Livestock Count Estimates in Hardeman County.** According to the 1997 Census of Agriculture (<http://www.agcensus.usda.gov/>), "Cattle" includes heifers, heifer calves, steers, bulls and bull calves; "Chickens" are layers 20 weeks and older.

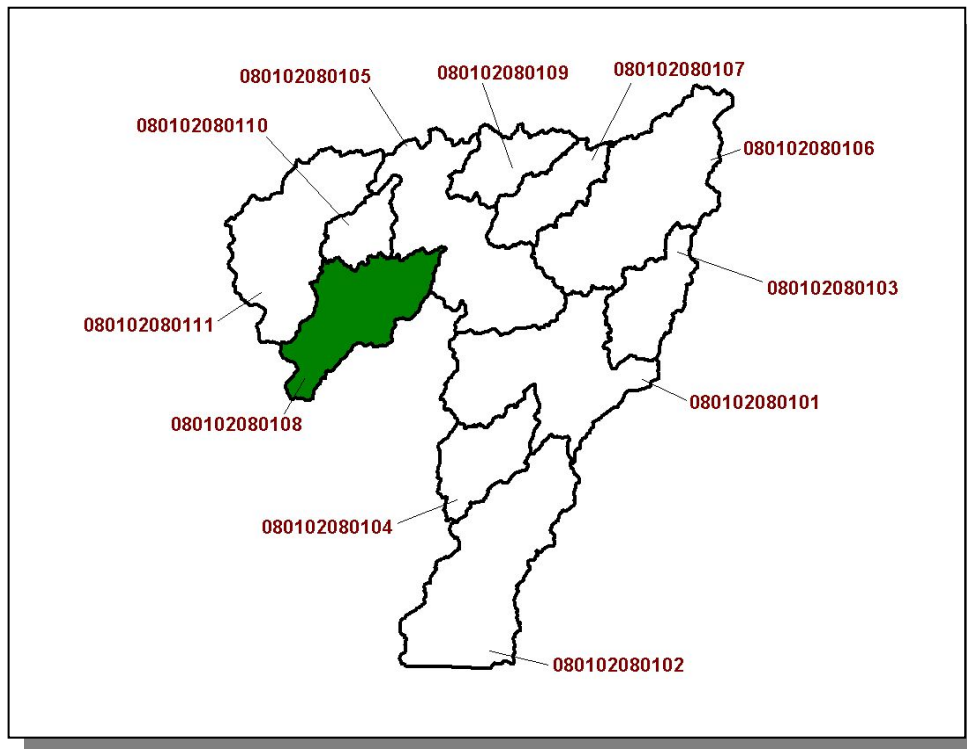
County	INVENTORY		REMOVAL RATE	
	Forest Land (thousand acres)	Timber Land (thousand acres)	Growing Stock (million cubic feet)	Sawtimber (million board feet)
Hardeman	247.1	247.1	5.0	18.6

**Table 4-45. Forest Acreage and Annual Removal Rates (1987-1994) in Hardeman County.**

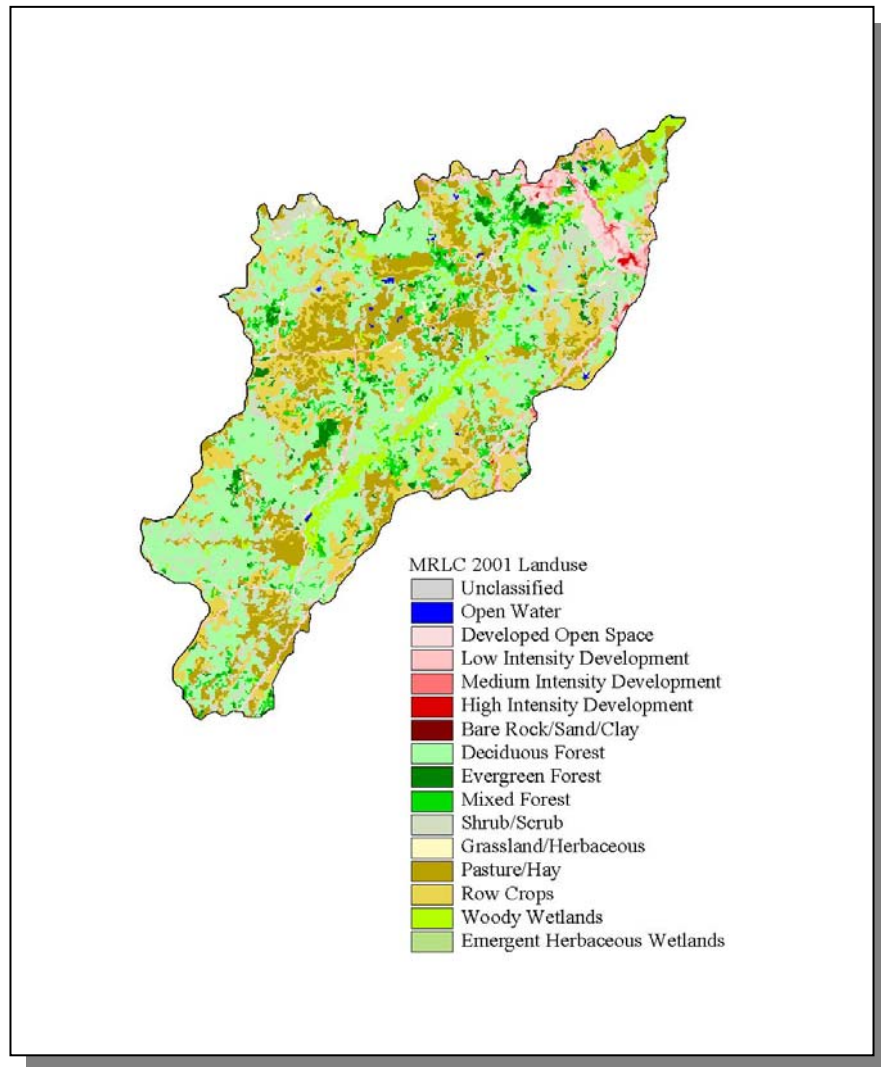
CROPS	TONS/ACRE/YEAR
Grass (Pastureland)	1.23
Grass (Hayland)	0.39
Grass, Forbs, Legumes (Mixed Pasture)	1.06
Corn (Row Crops)	11.41
Cotton (Row Crops)	25.79
Sorghum (Row Crops)	3.04
Soybeans (Row Crops)	12.89
Wheat (Close-Grown Cropland)	15.03
Summer Fallow (Other Cropland)	6.11
Other Cropland not Planted	4.23
Conservation Reserve Program Lands	0.27
Farmsteads and Ranch Headquarters	0.97

**Table 4-46. Annual Estimated Total Soil Loss in Subwatershed 080102080107.**

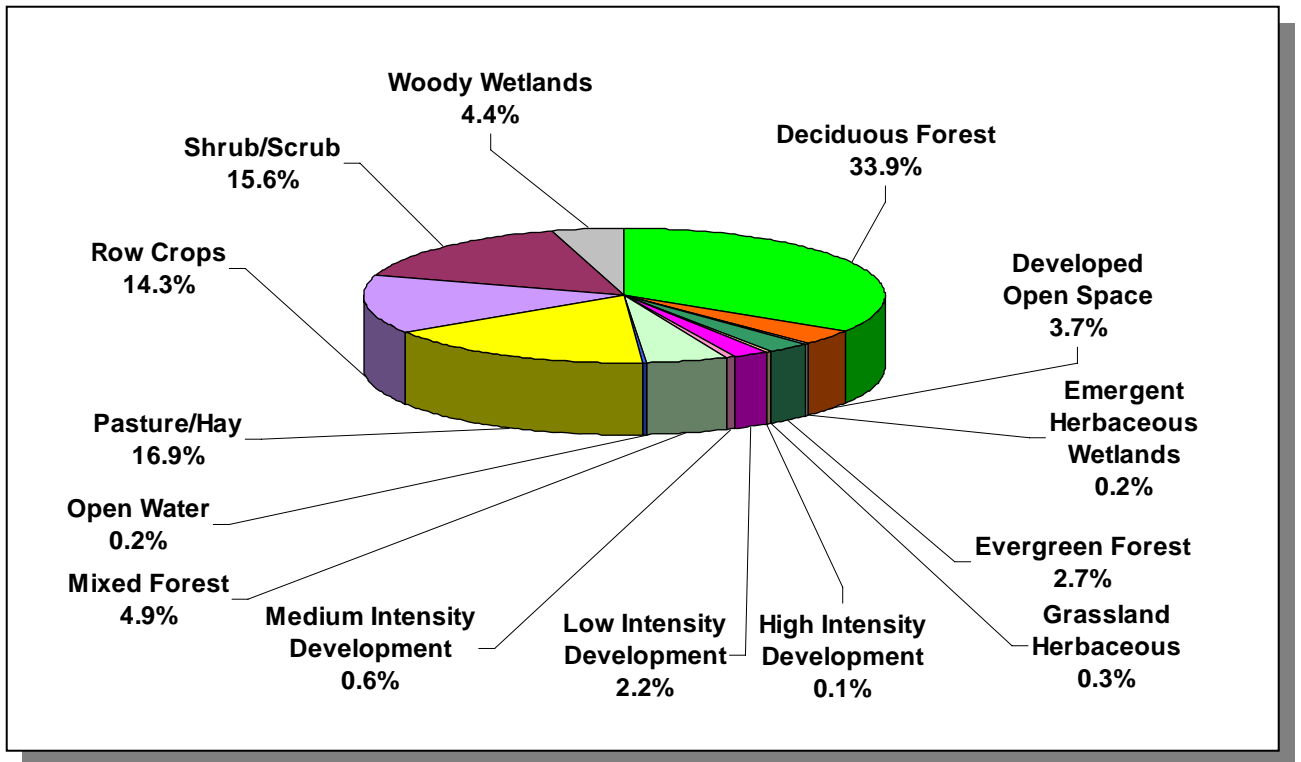
**4.2.A.viii. 080102080108 (Pleasant Run Creek).**



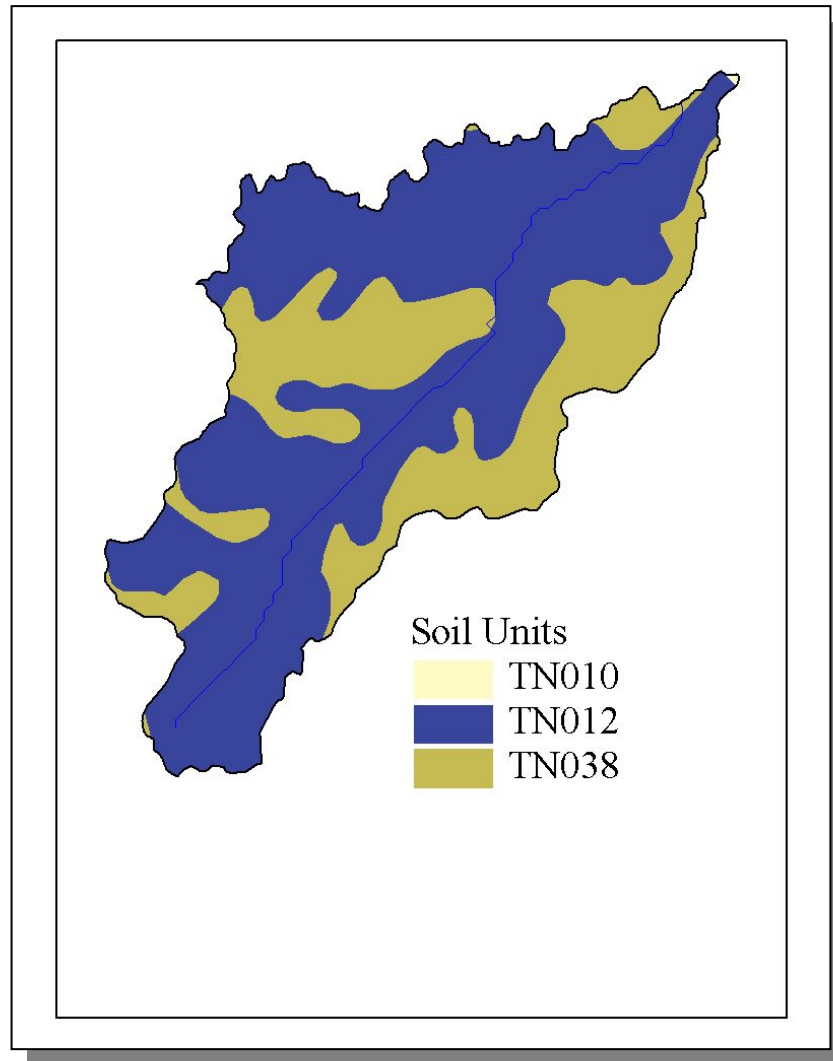
**Figure 4-55. Location of Subwatershed 080102080108.** All HUC-12 subwatershed boundaries in Tennessee are shown for reference.



**Figure 4-56. Illustration of Land Use Distribution in Subwatershed 080102080108.**



**Figure 4-57. Land Use Distribution in Subwatershed 080102080108.** More information is provided in Appendix IV.



**Figure 4-58. STATSGO (State Soil Geographic Database) Soil Map Units in Subwatershed 080102080108.**

STATSGO MAP UNIT ID	PERCENT HYDRIC	HYDROLOGIC GROUP	PERMEABILITY (in/hour)	SOIL pH	ESTIMATED SOIL TEXTURE	SOIL ERODIBILITY
TN010	81.00	C	1.33	5.11	Silty Loam	0.44
TN012	1.00	C	2.52	5.13	Silty Loam	0.39
TN038	9.00	C	1.6	5.20	Silty Loam	0.46

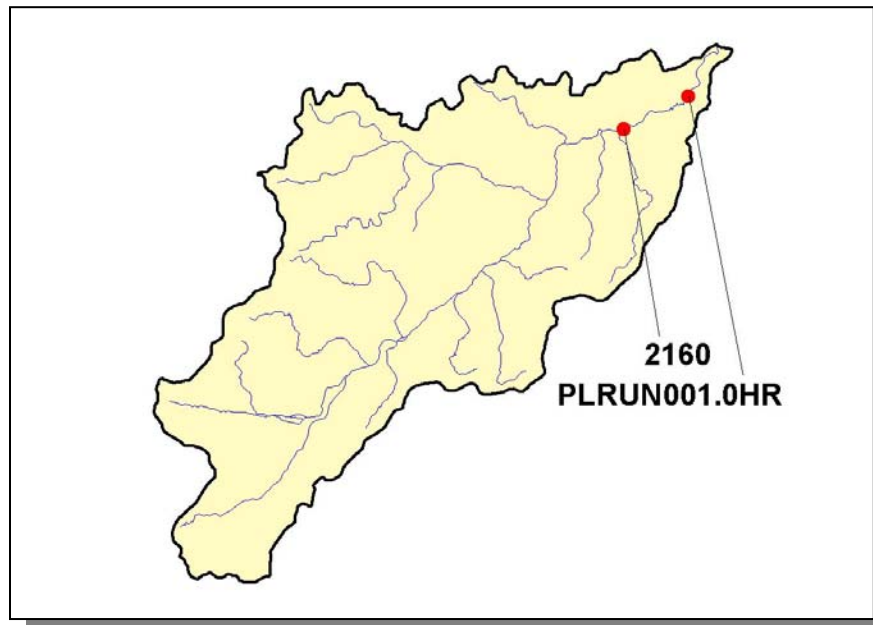
**Table 4-47. Soil Characteristics by STATSGO (State Soil Geographic Database) Soil Map Units in Subwatershed 080102080108.** The definition of “Hydrologic Group” is provided in Appendix IV.

County	COUNTY POPULATION			Portion of Watershed (%)	ESTIMATED POPULATION IN WATERSHED			% Change (1990-2000)
	1990	1997	2000		1990	1997	2000	
Hardeman	23,377	24,702	28,105	3.96	925	978	1,113	20.3

**Table 4-48. Population Estimates in Subwatershed 080102080108.**

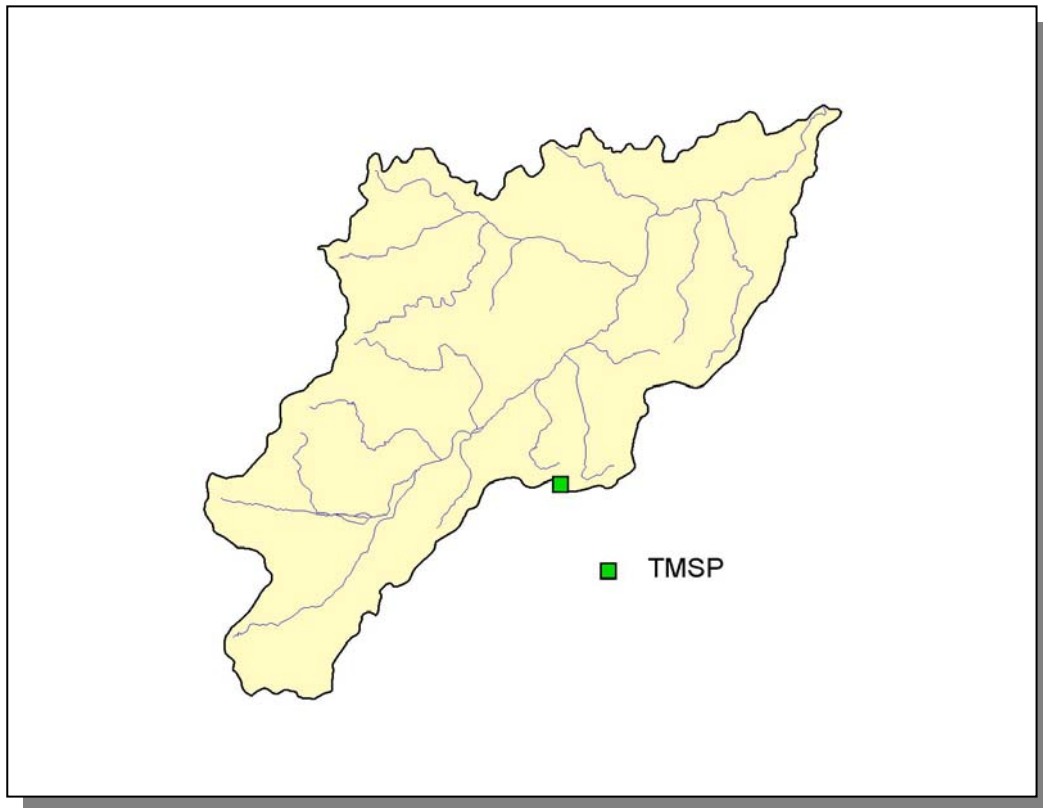
Populated Place	County	Population	NUMBER OF HOUSING UNITS			
			Total	Public Sewer	Septic Tank	Other
Bolivar	Hardeman	5,969	2,098	1,915	161	22

**Table 4-49. Housing and Sewage Disposal Practices of Select Communities in Subwatershed 080102080108.**



**Figure 4-59. Location of Monitoring Sites in EPA's STORET Database in Subwatershed 080102080108.** More information, including site names and locations, is provided in Appendix IV.

**4.2.A.viii.a. Point Source Contributions.**



**Figure 4-60. Location of Permits Issued in Subwatershed 080102080108.** More information, including the names of facilities, is provided in Appendix IV.



**Figure 4-61. Location of TMSP Sites in Subwatershed 080102080108.** More information, including the names of facilities, is provided in Appendix IV.

**4.2.A.viii.b. Nonpoint Source Contributions.**

LIVESTOCK COUNTS					
Beef Cow	Cattle	Milk Cow	Chickens (Layers)	Hogs	Sheep
429	742	<5	<5	244	7

**Table 4-50. Summary of Livestock Count Estimates in Subwatershed 080102080108.** According to the 1997 Census of Agriculture (<http://www.agcensus.usda.gov/>), "Cattle" includes heifers, heifer calves, steers, bulls and bull calves; "Chickens" are layers 20 weeks and older.

LIVESTOCK COUNTS						
County	Beef Cow	Cattle	Milk Cow	Chickens (Layers)	Hogs	Sheep
Hardeman	9,184	15,877	62	28	5,221	144

**Table 4-51. Summary of Livestock Count Estimates in Hardeman County.** According to the 1997 Census of Agriculture (<http://www.agcensus.usda.gov/>), "Cattle" includes heifers, heifer calves, steers, bulls and bull calves; "Chickens" are layers 20 weeks and older.

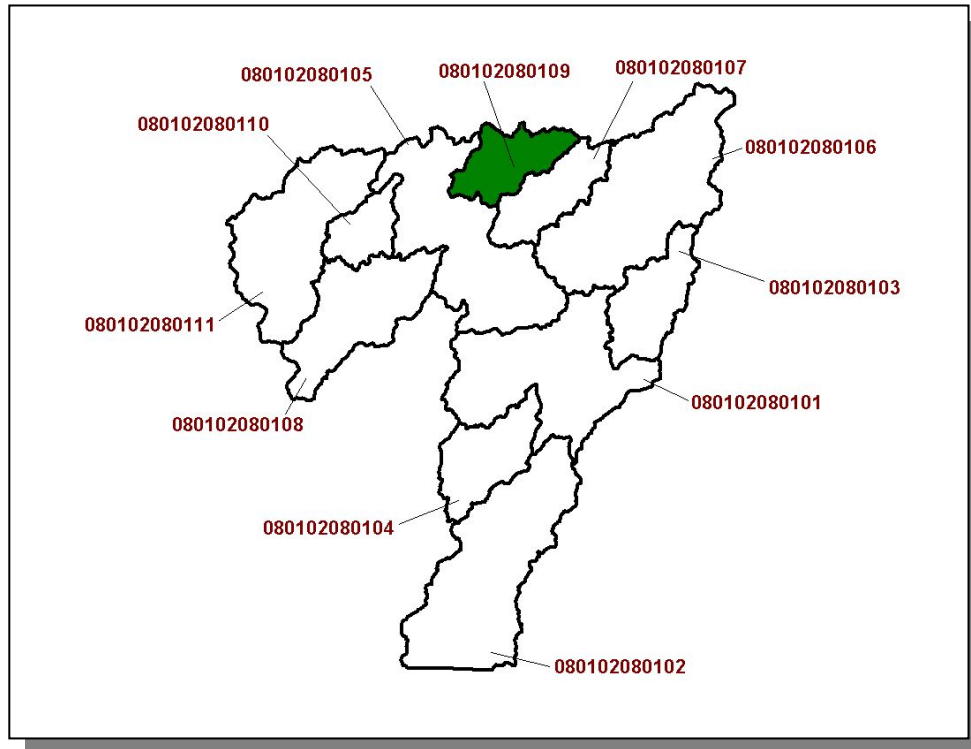
County	INVENTORY		REMOVAL RATE	
	Forest Land (thousand acres)	Timber Land (thousand acres)	Growing Stock (million cubic feet)	Sawtimber (million board feet)
Hardeman	247.1	247.1	5.0	18.6

**Table 4-52. Forest Acreage and Annual Removal Rates (1987-1994) in Hardeman County.**

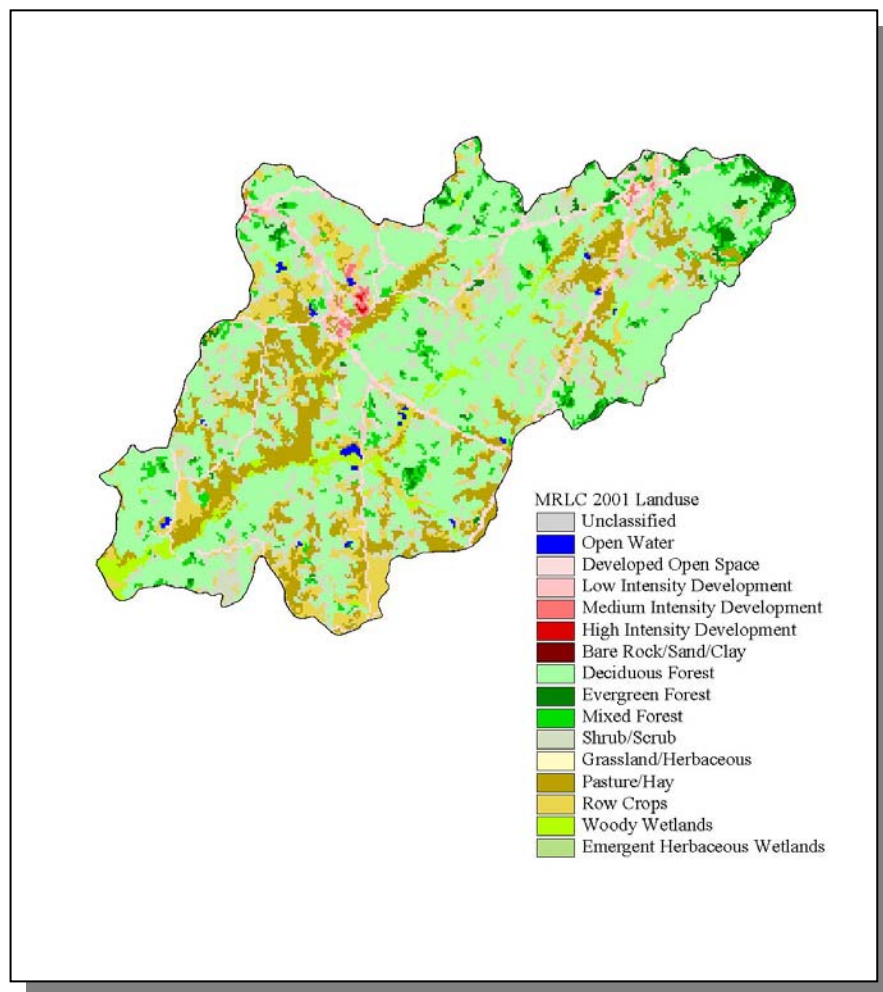
CROPS	TONS/ACRE/YEAR
Grass (Pastureland)	1.23
Grass (Hayland)	0.39
Grass, Forbs, Legumes (Mixed Pasture)	1.06
Corn (Row Crops)	11.41
Cotton (Row Crops)	25.79
Sorghum (Row Crops)	3.04
Soybeans (Row Crops)	12.89
Wheat (Close-Grown Cropland)	15.03
Summer Fallow (Other Cropland)	6.11
Other Cropland not Planted	4.23
Conservation Reserve Program Lands	0.27
Farmsteads and Ranch Headquarters	0.97

**Table 4-53. Annual Estimated Total Soil Loss in Subwatershed 080102080108.**

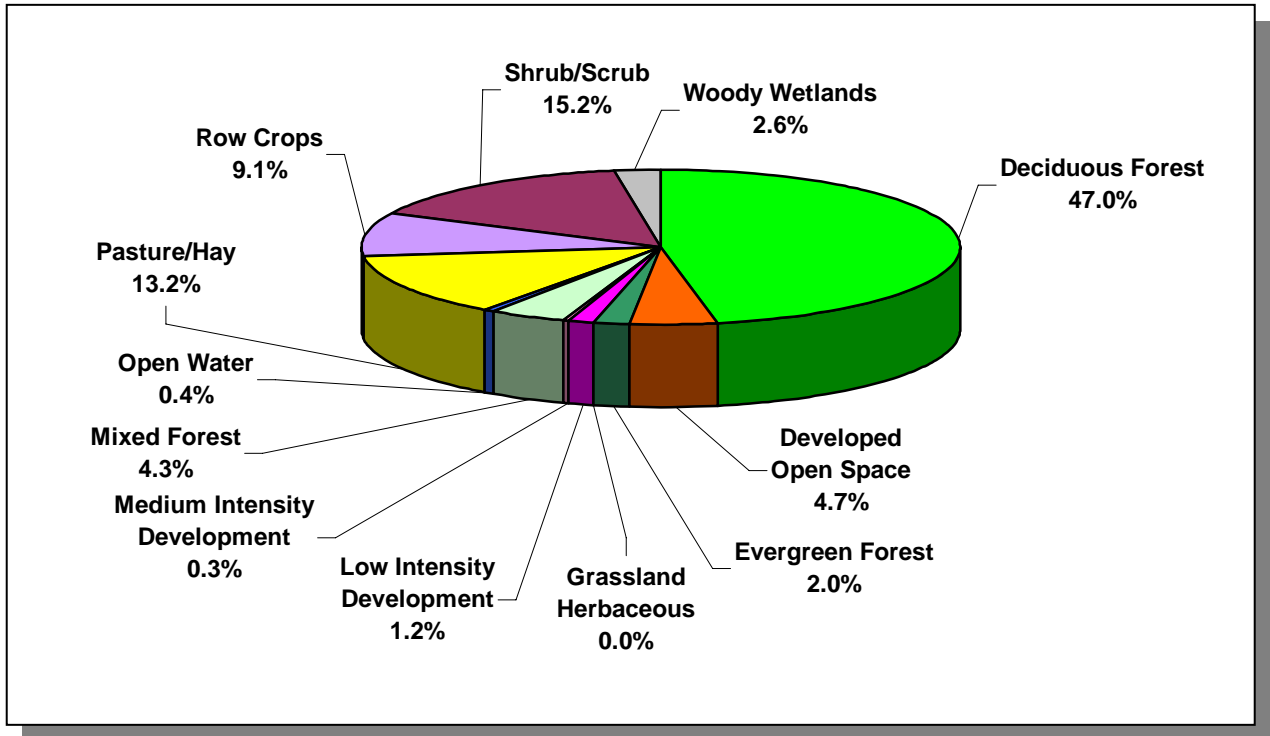
**4.2.A.ix. 080102080109 (Mill Creek).**



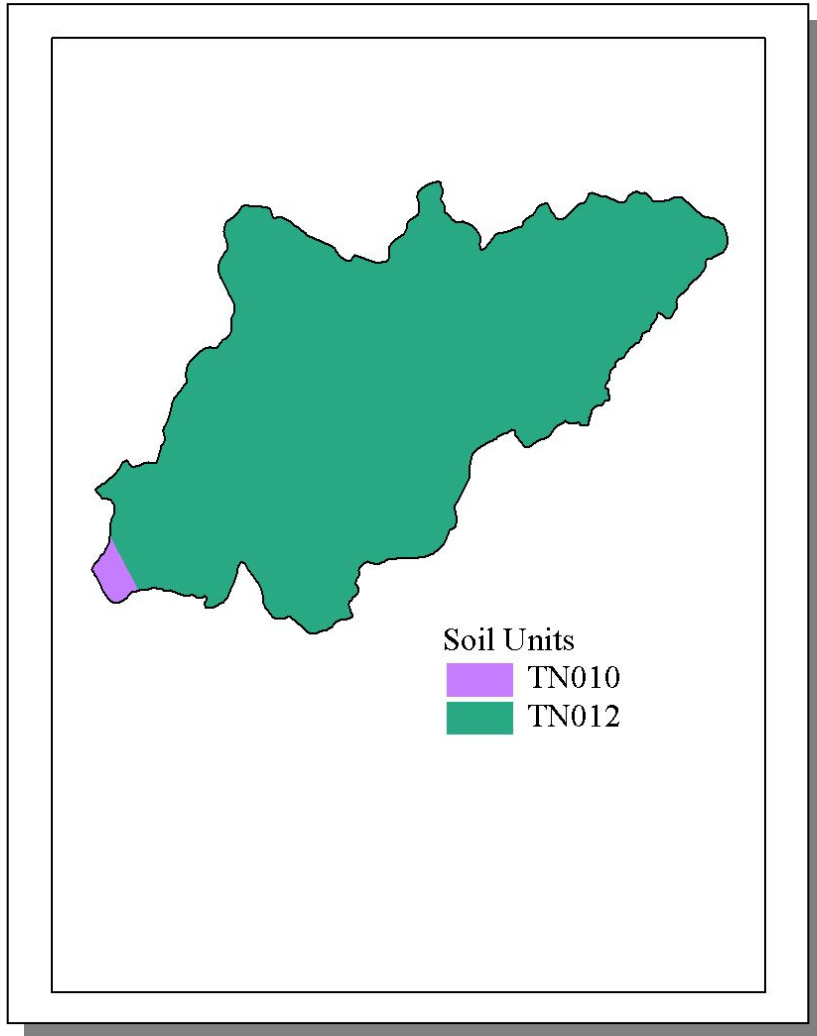
**Figure 4-62. Location of Subwatershed 080102080109.** All HUC-12 subwatershed boundaries in Tennessee are shown for reference.



**Figure 4-63. Illustration of Land Use Distribution in Subwatershed 080102080109.**



**Figure 4-64. Land Use Distribution in Subwatershed 080102080109.** More information is provided in Appendix IV.



**Figure 4-65. STATSGO (State Soil Geographic Database) Soil Map Units in Subwatershed 080102080109.**

STATSGO MAP UNIT ID	PERCENT HYDRIC	HYDROLOGIC GROUP	PERMEABILITY (in/hour)	SOIL pH	ESTIMATED SOIL TEXTURE	SOIL ERODIBILITY
TN010	81.00	C	1.33	5.11	Silty Loam	0.44
TN012	1.00	C	2.52	5.13	Silty Loam	0.39

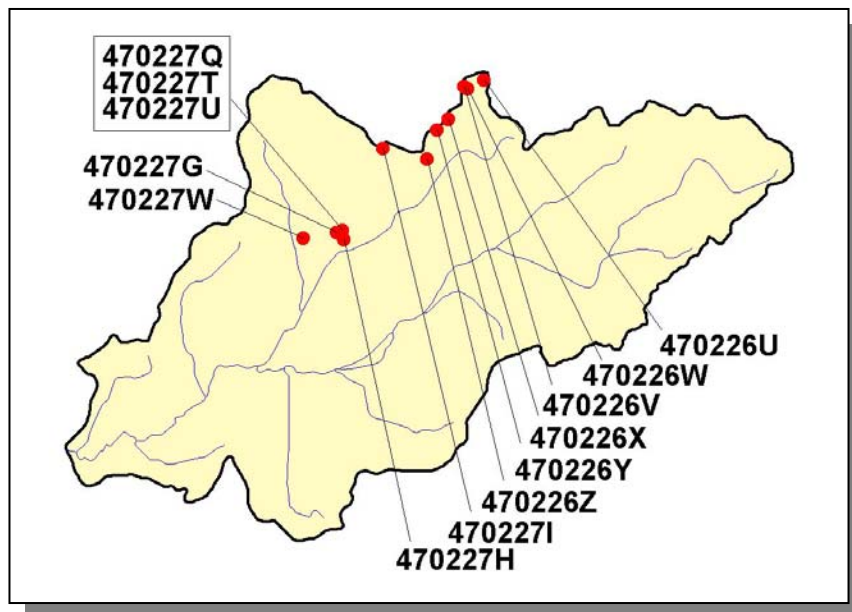
**Table 4-54. Soil Characteristics by STATSGO (State Soil Geographic Database) Soil Map Units in Subwatershed 080102080109.** The definition of “Hydrologic Group” is provided in Appendix IV.

County	COUNTY POPULATION			Portion of Watershed (%)	ESTIMATED POPULATION IN WATERSHED			% Change (1990-2000)
	1990	1997	2000		1990	1997	2000	
Hardeman	23,377	24,702	28,105	1.93	452	478	544	20.4

**Table 4-55. Population Estimates in Subwatershed 080102080109.**

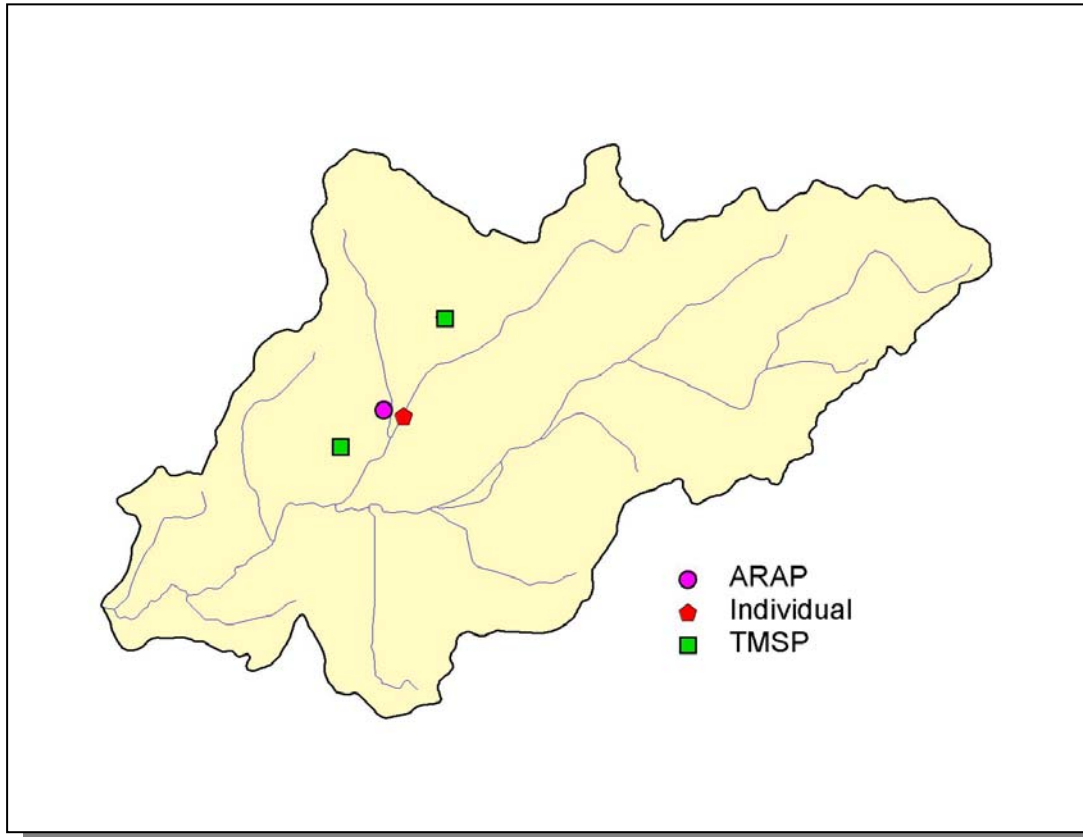
Populated Place	County	Population	NUMBER OF HOUSING UNITS			
			Total	Public Sewer	Septic Tank	Other
Toone	Hardeman	279	102	69	33	0

**Table 4-56. Housing and Sewage Disposal Practices of Select Communities in Subwatershed 080102080109.**

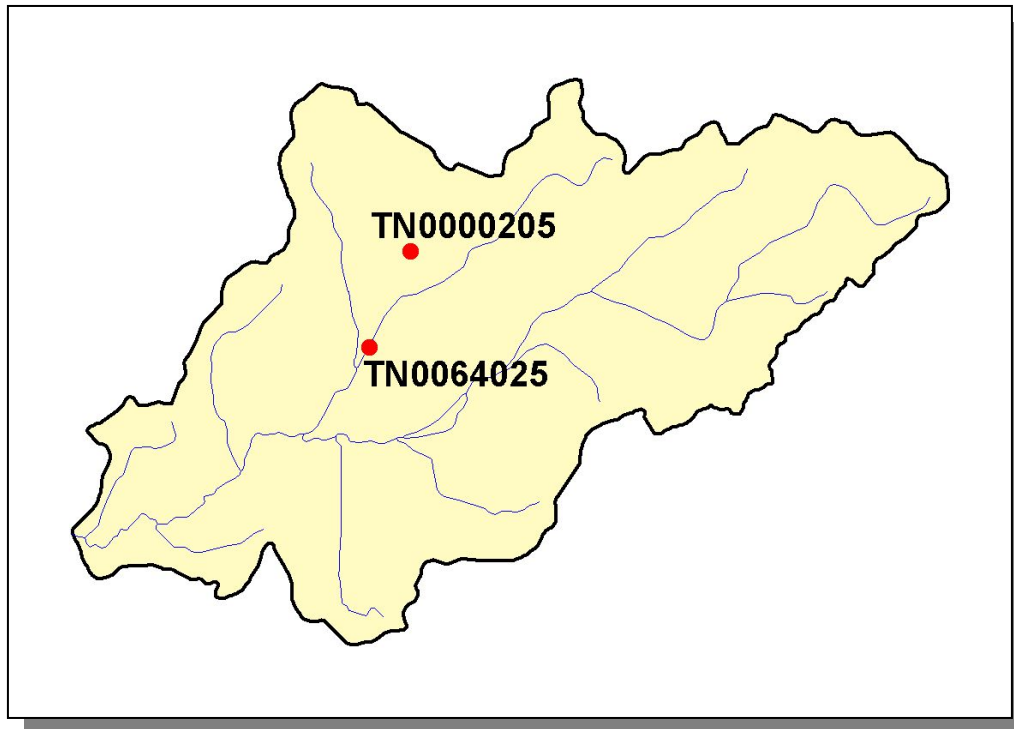


**Figure 4-66. Location of Monitoring Sites in EPA's STORET Database in Subwatershed 080102080109.** More information, including site names and locations, is provided in Appendix IV.

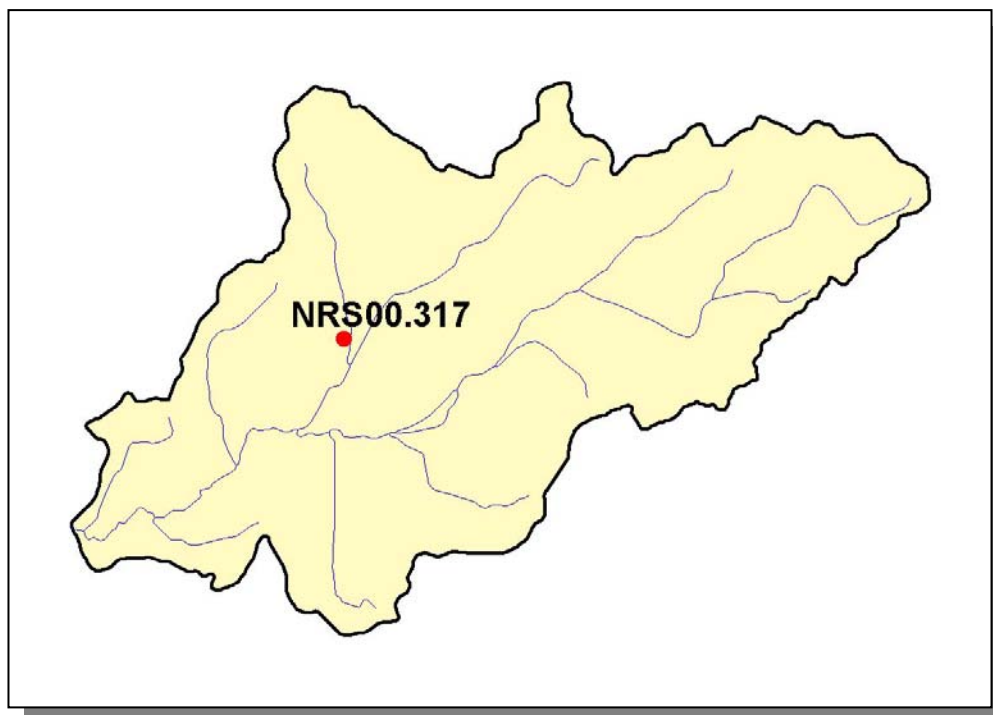
**4.2.A.ix.a. Point Source Contributions.**



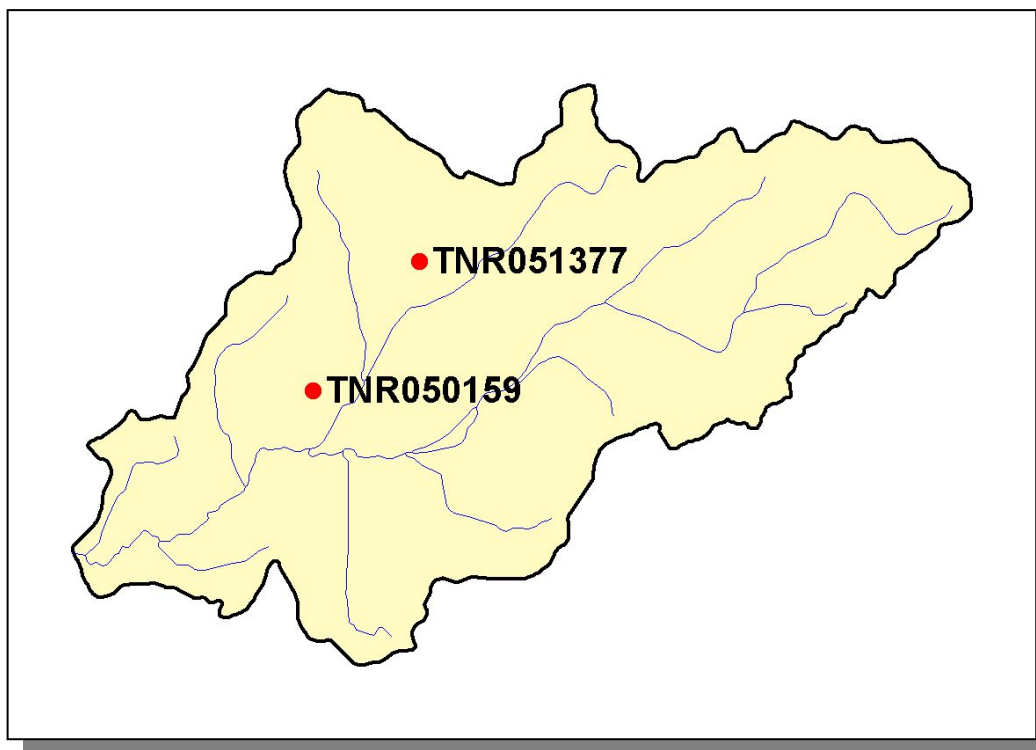
**Figure 4-67. Location of Permits Issued in Subwatershed 080102080109.** More information, including the names of facilities, is provided in Appendix IV.



**Figure 4-68. Location of Active NPDES Sites in Subwatershed 080102080109.** More information, including the names of facilities, is provided in Appendix IV.



**Figure 4-69. Location of Aquatic Resource Alteration Permit (ARAP) Sites (Individual Permits) in Subwatershed 080102080109.** More information is provided in Appendix IV.



**Figure 4-70. Location of TMSP Sites in Subwatershed 080102080109.** More information, including the names of facilities, is provided in Appendix IV.

**4.2.A.ix.b. Nonpoint Source Contributions.**

LIVESTOCK COUNTS					
Beef Cow	Cattle	Milk Cow	Chickens (Layers)	Hogs	Sheep
176	305	<5	<5	100	<5

**Table 4-57. Summary of Livestock Count Estimates in Subwatershed 080102080109.** According to the 1997 Census of Agriculture (<http://www.agcensus.usda.gov/>), "Cattle" includes heifers, heifer calves, steers, bulls and bull calves; "Chickens" are layers 20 weeks and older.

LIVESTOCK COUNTS						
County	Beef Cow	Cattle	Milk Cow	Chickens (Layers)	Hogs	Sheep
Hardeman	9,184	15,877	62	28	5,221	144

**Table 4-58. Summary of Livestock Count Estimates in Hardeman County.** According to the 1997 Census of Agriculture (<http://www.agcensus.usda.gov/>), "Cattle" includes heifers, heifer calves, steers, bulls and bull calves; "Chickens" are layers 20 weeks and older.

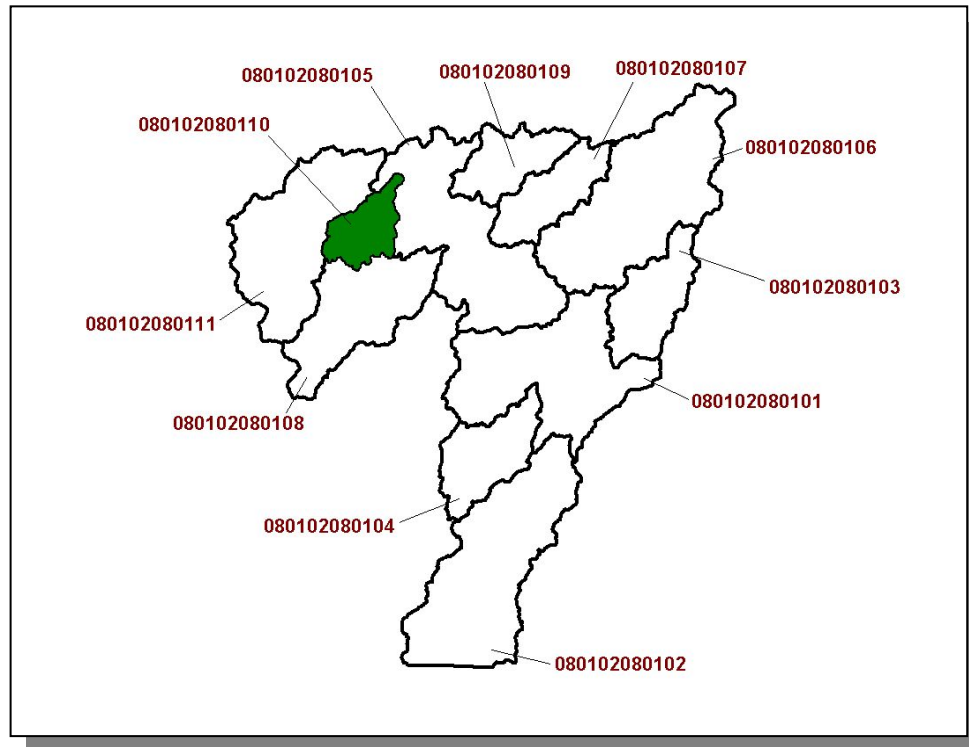
County	INVENTORY		REMOVAL RATE	
	Forest Land (thousand acres)	Timber Land (thousand acres)	Growing Stock (million cubic feet)	Sawtimber (million board feet)
Hardeman	247.1	247.1	5.0	18.6

**Table 4-59. Forest Acreage and Annual Removal Rates (1987-1994) in Hardeman County.**

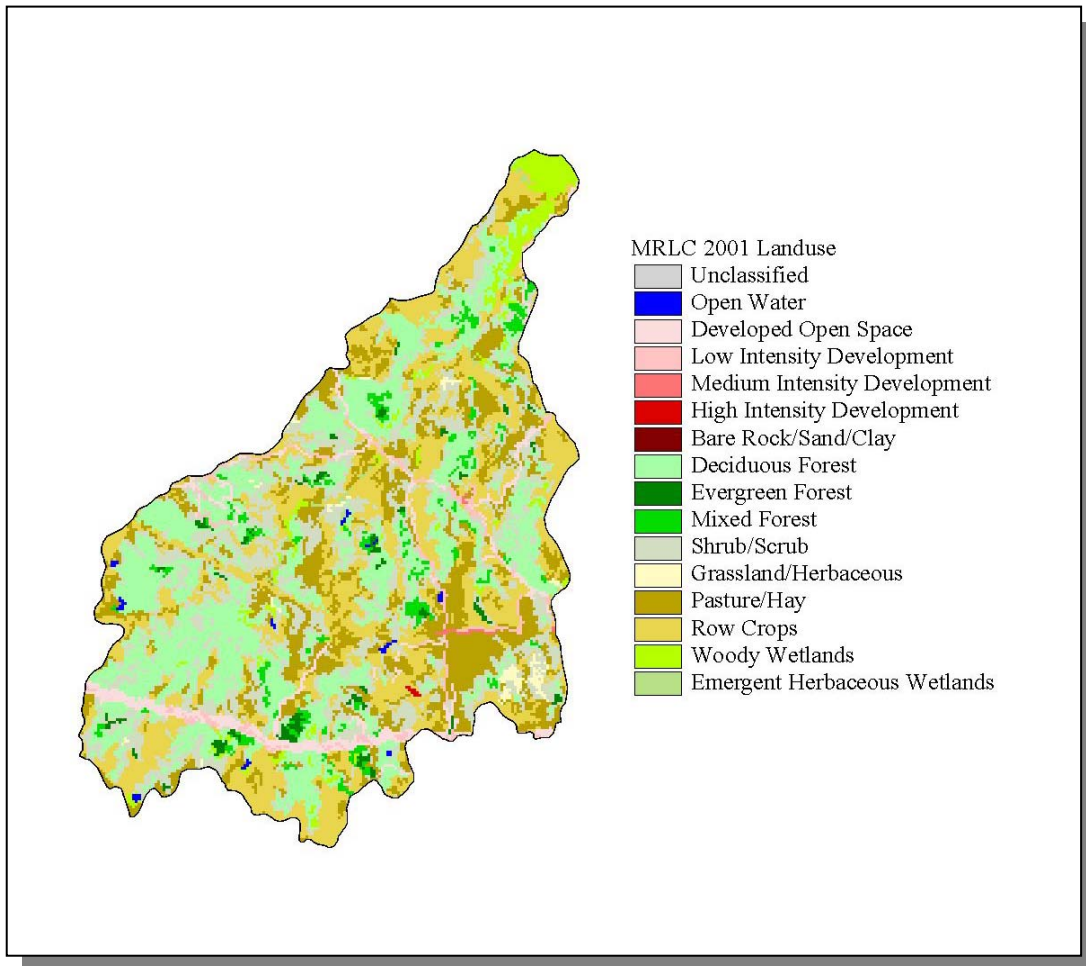
CROPS	TONS/ACRE/YEAR
Grass (Pastureland)	1.23
Grass (Hayland)	0.39
Grass, Forbs, Legumes (Mixed Pasture)	1.06
Corn (Row Crops)	11.41
Cotton (Row Crops)	25.79
Sorghum (Row Crops)	3.04
Soybeans (Row Crops)	12.89
Wheat (Close-Grown Cropland)	15.03
Summer Fallow (Other Cropland)	6.11
Other Cropland not Planted	4.23
Conservation Reserve Program Lands	0.27
Farmsteads and Ranch Headquarters	0.97

**Table 4-60. Annual Estimated Total Soil Loss in Subwatershed 080102080109.**

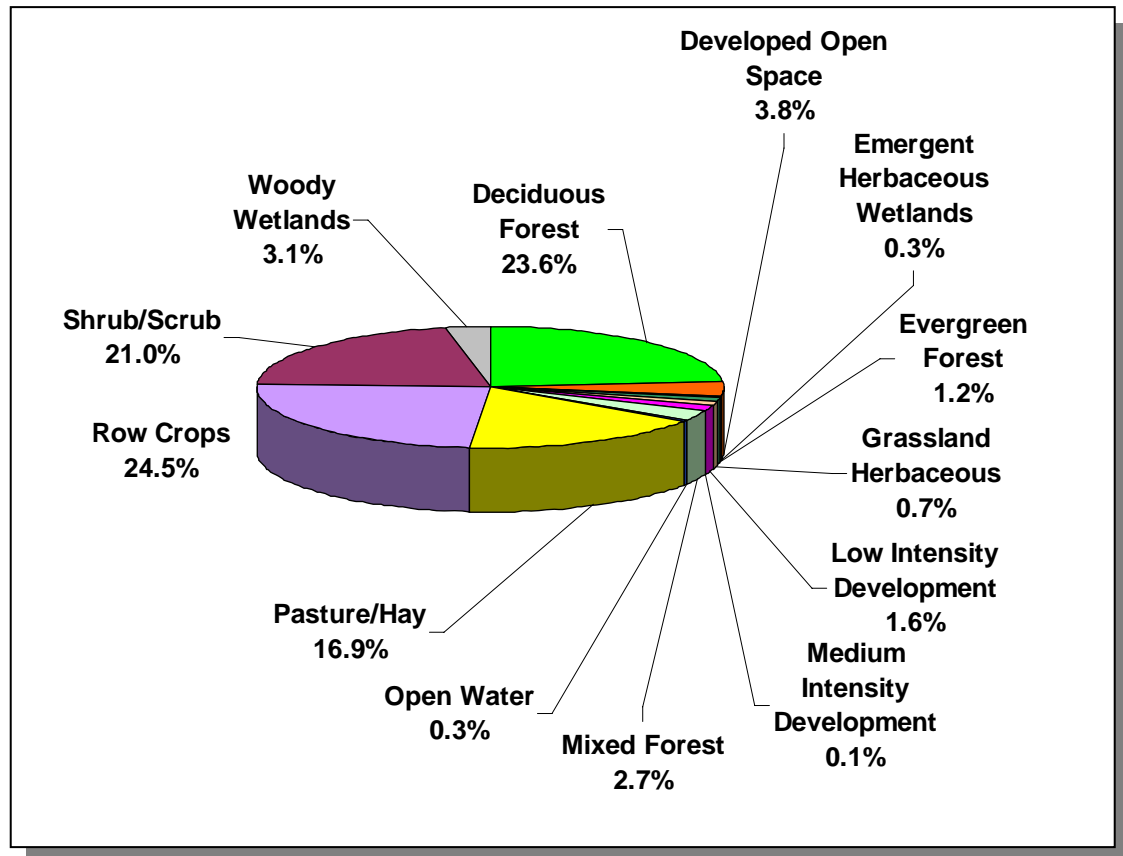
**4.2.A.x. 080102080110 (Short Creek).**



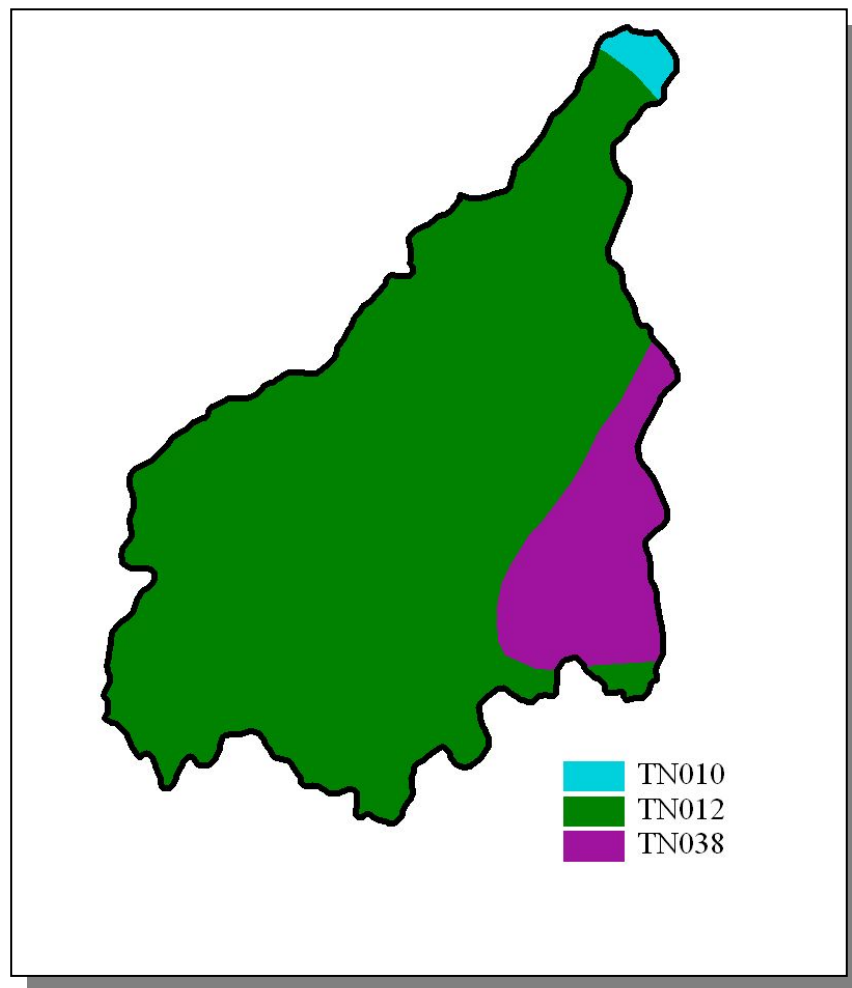
**Figure 4-71. Location of Subwatershed 080102080110.** All HUC-12 subwatershed boundaries in Tennessee are shown for reference.



**Figure 4-72. Illustration of Land Use Distribution in Subwatershed 08010208110.**



**Figure 4-73. Land Use Distribution in Subwatershed 080102080110.** More information is provided in Appendix IV.



**Figure 4-74. STATSGO (State Soil Geographic Database) Soil Map Units in Subwatershed 080102080110.**

STATSGO MAP UNIT ID	PERCENT HYDRIC	HYDROLOGIC GROUP	PERMEABILITY (in/hour)	SOIL pH	ESTIMATED SOIL TEXTURE	SOIL ERODIBILITY
TN010	81.00	C	1.33	5.11	Silty Loam	0.44
TN012	1.00	C	2.52	5.13	Silty Loam	0.39
TN038	9.00	C	1.65	5.20	Silty Loam	0.46

**Table 4-61. Soil Characteristics by STATSGO (State Soil Geographic Database) Soil Map Units in Subwatershed 080102080110.** The definition of "Hydrologic Group" is provided in Appendix IV.

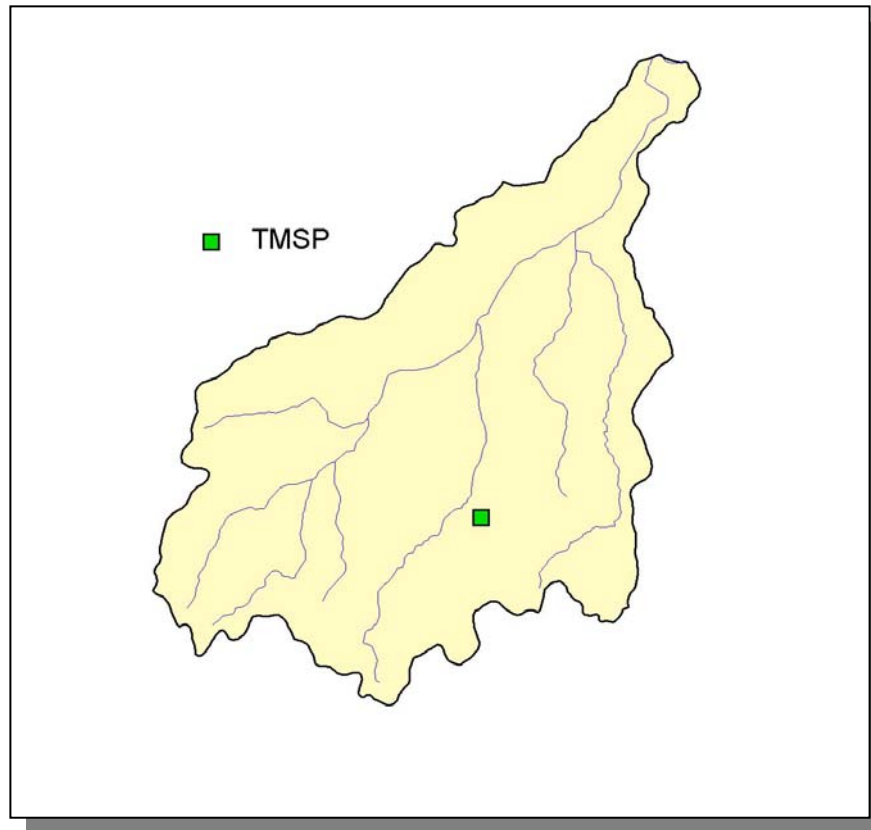
County	COUNTY POPULATION			Portion of Watershed (%)	ESTIMATED POPULATION IN WATERSHED			% Change (1990-2000)
	1990	1997	2000		1990	1997	2000	
Hardeman	23,377	24,702	28,105	1.35	316	334	380	20.3

**Table 4-62. Population Estimates in Subwatershed 080102080110.**



**Figure 4-75. Location of Monitoring Sites in EPA's STORET Database in Subwatershed 080102080110.** More information, including site names and locations, is provided in Appendix IV.

**4.2.A.x.a. Point Source Contributions.**



**Figure 4-76. Location of Permits Issued in Subwatershed 0801020810.** More information, including the names of facilities, is provided in Appendix IV.



**Figure 4-77. Location of TMSP Sites in Subwatershed 080102080110.** More information, including the names of facilities, is provided in Appendix IV.

**4.2.A.x.b. Nonpoint Source Contributions.**

LIVESTOCK COUNTS				
Beef Cow	Cattle	Milk Cow	Hogs	Sheep
160	276	<5	91	<5

**Table 4-63. Summary of Livestock Count Estimates in Subwatershed 080102080110.** According to the 1997 Census of Agriculture (<http://www.agcensus.usda.gov/>), "Cattle" includes heifers, heifer calves, steers, bulls and bull calves.

LIVESTOCK COUNTS						
County	Beef Cow	Cattle	Milk Cow	Chickens (Layers)	Hogs	Sheep
Hardeman	9,184	15,877	62	28	5,221	144

**Table 4-64. Summary of Livestock Count Estimates in Hardeman County.** According to the 1997 Census of Agriculture (<http://www.agcensus.usda.gov/>), "Cattle" includes heifers, heifer calves, steers, bulls and bull calves; "Chickens" are layers 20 weeks and older.

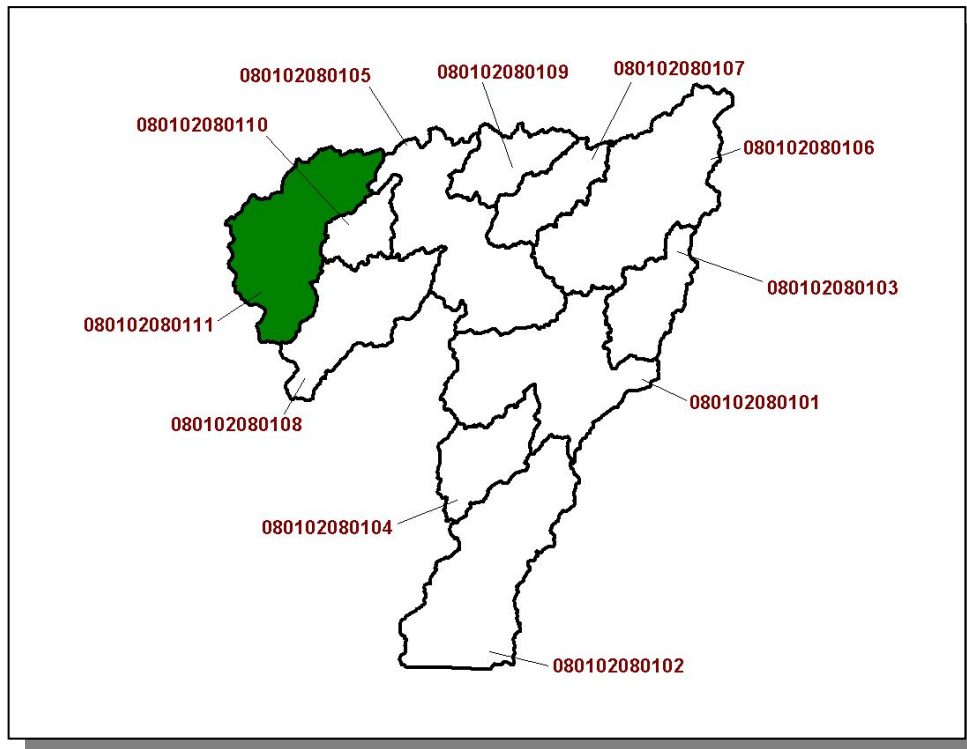
County	INVENTORY		REMOVAL RATE	
	Forest Land (thousand acres)	Timber Land (thousand acres)	Growing Stock (million cubic feet)	Sawtimber (million board feet)
Hardeman	247.1	247.1	5.0	18.6

**Table 4-65. Forest Acreage and Annual Removal Rates (1987-1994) in Hardeman County.**

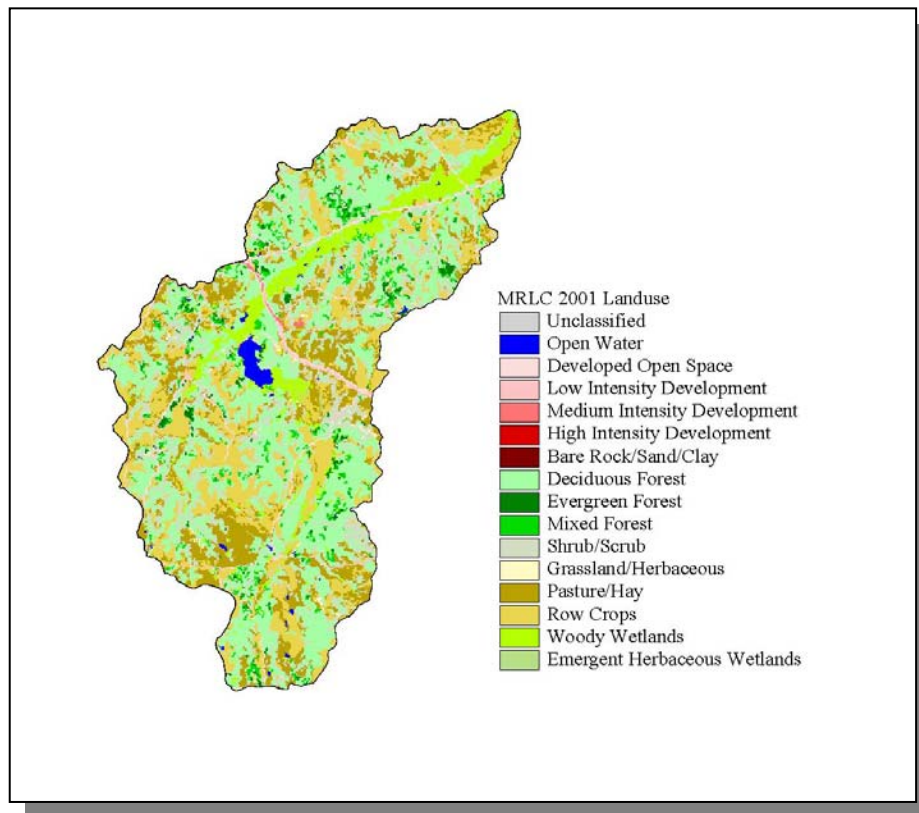
CROPS	TONS/ACRE/YEAR
Grass (Pastureland)	1.23
Grass (Hayland)	0.39
Grass, Forbs, Legumes (Mixed Pasture)	1.06
Corn (Row Crops)	11.41
Cotton (Row Crops)	25.79
Sorghum (Row Crops)	3.04
Soybeans (Row Crops)	12.89
Wheat (Close-Grown Cropland)	15.03
Summer Fallow (Other Cropland)	6.11
Other Cropland not Planted	4.23
Conservation Reserve Program Lands	0.27
Farmsteads and Ranch Headquarters	0.97

**Table 4-66. Annual Estimated Total Soil Loss in Subwatershed 080102080110.**

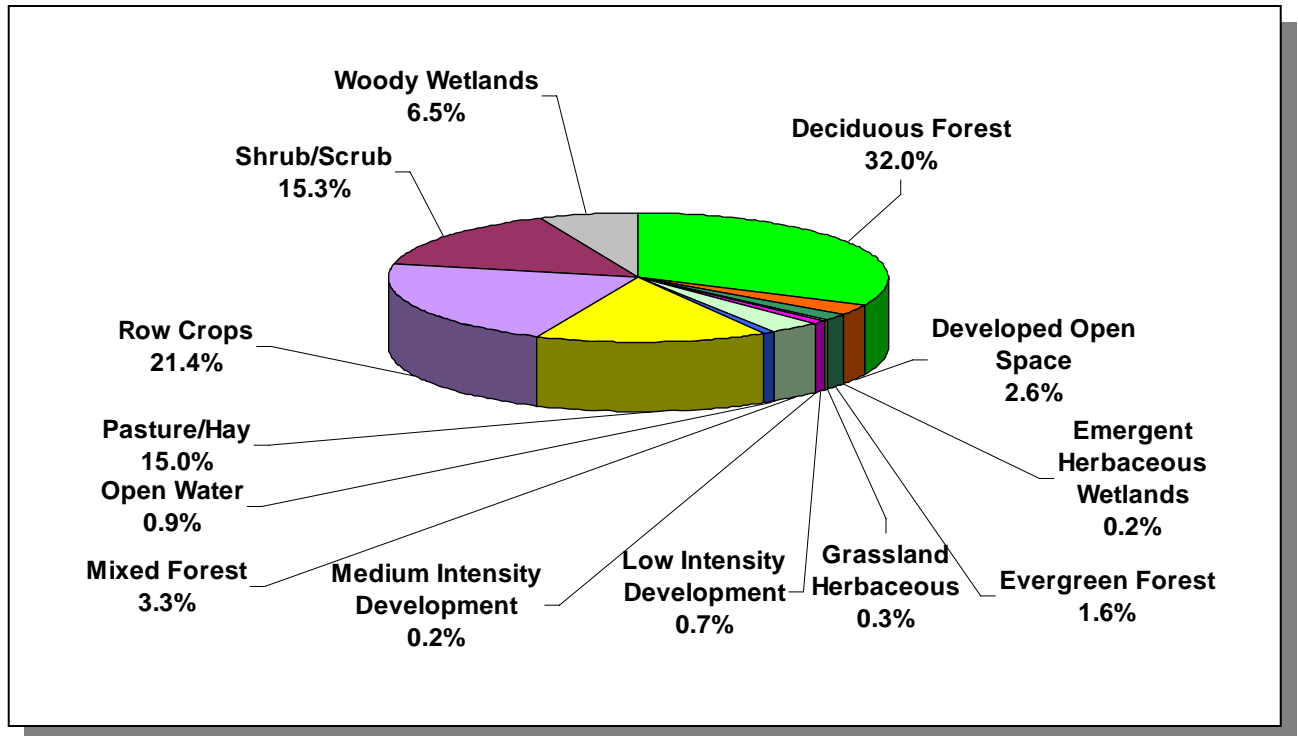
**4.2.A.xi. 080102080111 (Clear Creek).**



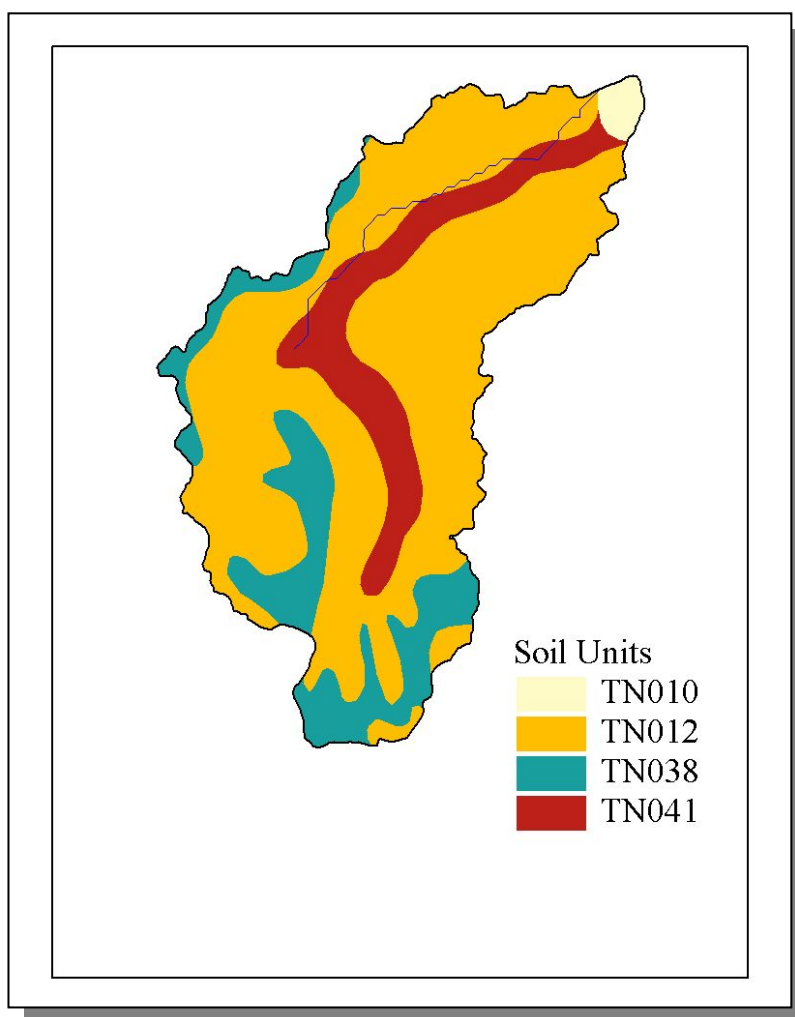
**Figure 4-78. Location of Subwatershed 080102080111.** All HUC-12 subwatershed boundaries in Tennessee are shown for reference.



**Figure 4-79. Illustration of Land Use Distribution in Subwatershed 080102080111.**



**Figure 4-80. Land Use Distribution in Subwatershed 080102080111.** More information is provided in Appendix IV.



**Figure 4-81. STATSGO (State Soil Geographic Database) Soil Map Units in Subwatershed 080102080111.**

STATSGO MAP UNIT ID	PERCENT HYDRIC	HYDROLOGIC GROUP	PERMEABILITY (in/hour)	SOIL pH	ESTIMATED SOIL TEXTURE	SOIL ERODIBILITY
TN010	81.00	C	1.33	5.11	Silty Loam	0.44
TN012	1.00	C	2.52	5.13	Silty Loam	0.39
TN038	9.00	C	1.65	5.20	Silty Loam	0.46
TN041	59.00	C	1.35	4.98	Silty Loam	0.34

**Table 4-67. Soil Characteristics by STATSGO (State Soil Geographic Database) Soil Map Units in Subwatershed 080102080111.** The definition of "Hydrologic Group" is provided in Appendix IV.

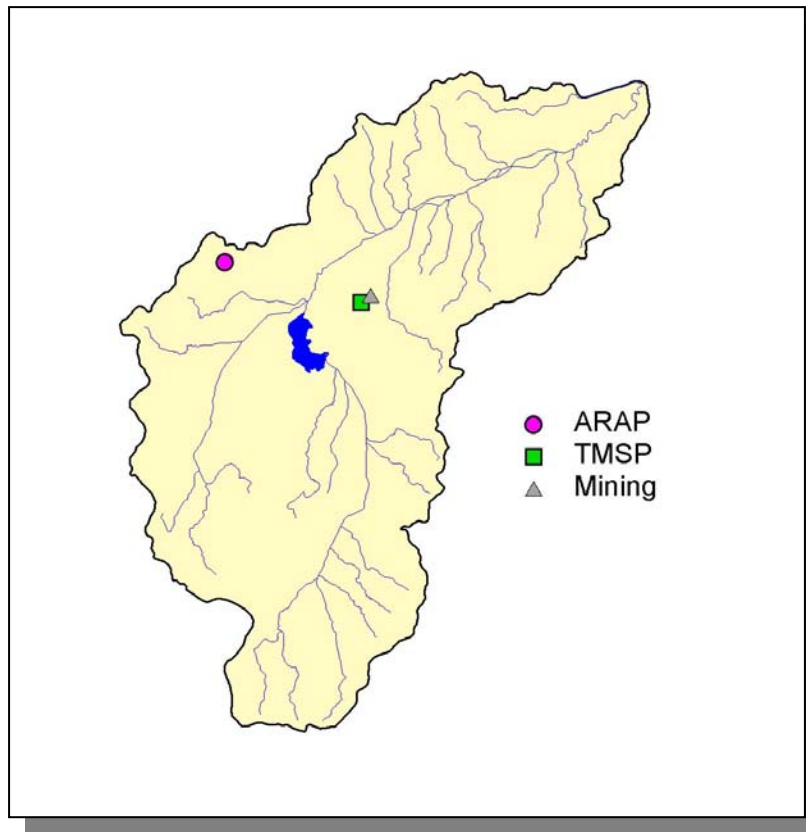
County	COUNTY POPULATION			Portion of Watershed (%)	ESTIMATED POPULATION IN WATERSHED			% Change (1990-2000)
	1990	1997	2000		1990	1997	2000	
Hardeman	23,377	24,702	28,105	5.27	1,231	1,301	1,480	20.2

**Table 4-68. Population Estimates in Subwatershed 080102080111.**

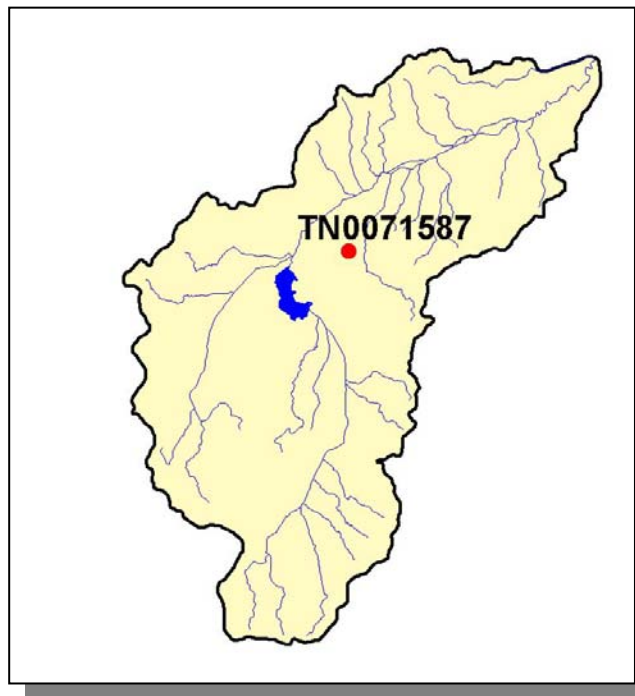


**Figure 4-82. Location of Monitoring Sites in EPA's STORET Database in Subwatershed 080102080111.** More information, including site names and locations, is provided in Appendix IV.

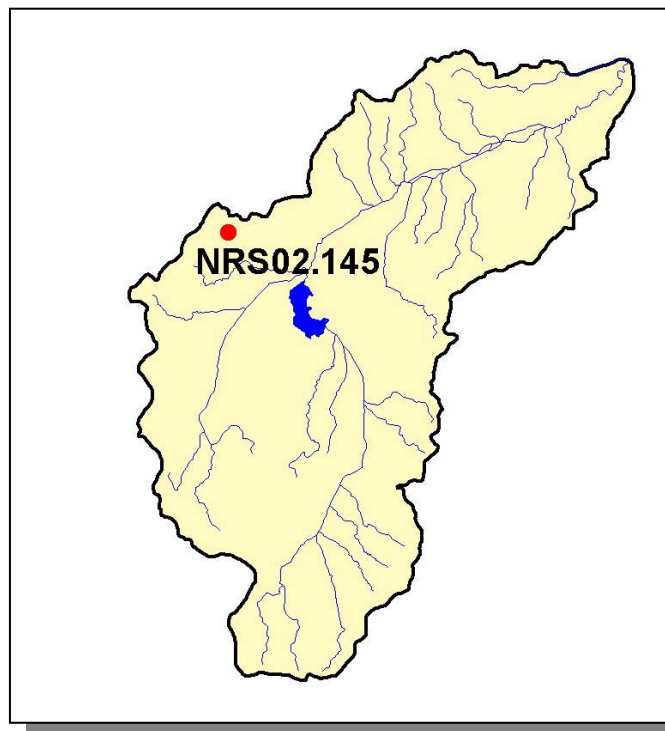
**4.2.A.xi.a. Point Source Contributions.**



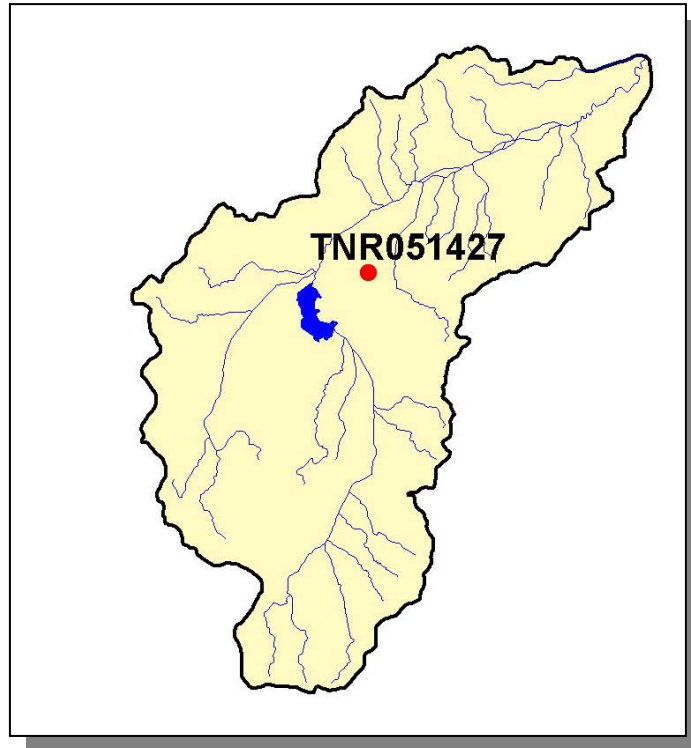
**Figure 4-83. Location of Permits Issued in Subwatershed 080102080111.** More information, including the names of facilities, is provided in Appendix IV.



**Figure 4-84. Location of Active Mining Sites in Subwatershed 080102080111.** More information, including the names of mining operations, is provided in Appendix IV.



**Figure 4-85. Location of Aquatic Resource Alteration Permit (ARAP) Sites (Individual Permits) in Subwatershed 080102080111.** More information is provided in Appendix IV.



**Figure 4-86. Location of TMSP Sites in Subwatershed 080102080111.** More information, including the names of facilities, is provided in Appendix IV.

**4.2.A.xi.b. Nonpoint Source Contributions.**

LIVESTOCK COUNTS					
Beef Cow	Cattle	Milk Cow	Chickens (Layers)	Hogs	Sheep
604	1,044	<5	<5	343	9

**Table 4-69. Summary of Livestock Count Estimates in Subwatershed 080102080111.** According to the 1997 Census of Agriculture (<http://www.agcensus.usda.gov/>), "Cattle" includes heifers, heifer calves, steers, bulls and bull calves; "Chickens" are layers 20 weeks and older.

LIVESTOCK COUNTS						
County	Beef Cow	Cattle	Milk Cow	Chickens (Layers)	Hogs	Sheep
Hardeman	9,184	15,877	62	28	5,221	144

**Table 4-70. Summary of Livestock Count Estimates in Hardeman County.** According to the 1997 Census of Agriculture (<http://www.agcensus.usda.gov/>), "Cattle" includes heifers, heifer calves, steers, bulls and bull calves; "Chickens" are layers 20 weeks and older.

County	INVENTORY		REMOVAL RATE	
	Forest Land (thousand acres)	Timber Land (thousand acres)	Growing Stock (million cubic feet)	Sawtimber (million board feet)
Hardeman	247.1	247.1	5.0	18.6

**Table 4-71. Forest Acreage and Annual Removal Rates (1987-1994) in Hardeman County.**

CROPS	TONS/ACRE/YEAR
Grass (Pastureland)	1.23
Grass (Hayland)	0.39
Grass, Forbs, Legumes (Mixed Pasture)	1.06
Corn (Row Crops)	11.41
Cotton (Row Crops)	25.79
Sorghum (Row Crops)	3.04
Soybeans (Row Crops)	12.89
Wheat (Close-Grown Cropland)	15.03
Other Cropland not Planted	4.23
Summer Fallow (Other Cropland)	6.11
Conservation Reserve Program Lands	0.27
Farmsteads and Ranch Headquarters	0.97

**Table 4-72. Annual Estimated Total Soil Loss in Subwatershed 080102080111.**